

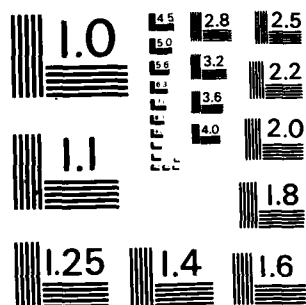
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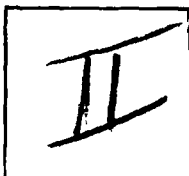
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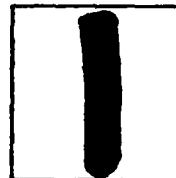


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USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

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WILL ROGERS IAP OK
N 35 24 W 097 36 FLD ELEV 1285 FT OKC MOG #723530

PARTS A-F
FOR FROM HOURLY OBS: JAN 73 - DEC 81
FOR FROM DAILY OBS: JAN 48 - DEC 81
TIME CONVERSION GMT TO LST: -6

OCT 26 1982

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Chief, Technical Information Section
USAFETAC/TST

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WALTER S. BURGMANN
AWS Scientific and Technical
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ADE 850 357

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS- 82/057	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- WILL ROGERS IAP, OK	5. TYPE OF REPORT & PERIOD COVERED Final rept.																
7. AUTHOR(s)	6. PERFORMING ORG. REPORT NUMBER																
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225	8. CONTRACT OR GRANT NUMBER(s)																
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14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)	12. REPORT DATE 27 OCT 82																
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16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.																	
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for WILL ROGERS IAP, OK It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

DD FORM 1473
1 JAN 73

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USOK 723530

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

20. and dew point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurring tables.

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
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REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV.
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

FEBRUARY _____

MARCH _____

APRIL _____

MAY _____

JUNE _____

JULY _____

AUGUST _____

SEPTEMBER _____

OCTOBER _____

NOVEMBER _____

DECEMBER _____

STATION NO. OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
723530	WILL ROGERS IAP/OKLAHOMA CITY, OK	35° 24' N	97° 36' W	1285	OKC	72353

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARD.	
1.	Will Rogers Field, OK	WBAS	Apr 32	May 54	35 24	97 36	1280	1304	24
2.	Same	WBAS	May 54	Feb 67	Same	Same	Same	1295	24
3.	Will Rogers World IAP, OK	WSFO	Feb 67	Jun 80	Same	Same	1285	Same	24
Last Update 6/12/80									

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	May 54	1. Hangar Roof 2. Hangar Roof	F420C F102		55 54.8	

U S AIR FORCE
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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

ALCANTARA, MARCH
1971
STATION 10411740

WEATHER CONDITIONS

STATION 10411740 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
		.2	.4	.7	.7		1.0	12.4				1.0	1
	1-10	.1	.3	.7	.3		1.0	14.1		.4	.2	14.7	1
	1-11	.7	.7	.7	.8		1.0	15.4	.1	1.1	.1	17.0	1
	1-12		.7	.7	.8		1.0	16.2	.7	1.2		18.1	1
	1-13	.1	.5	.2	.5		1.0	14.7	.1	1.0		14.8	1
	1-14		.4	.1	.4		.9	13.0	.7	1.1		11.7	1
	1-15	.1	.5	.5	.1		.9	11.0	.4	.5		11.0	1
	1-20	.1	.5	.4	.5		.9	11.1		.5		11.1	1
TOTALS		.1	.5	.5	.1		1.1	13.1	.4	.5	.1	11.2	5505

[illegible]

MONTH

CONTINUE FOR A COPY OF RECORDS OF DEATH
DISTRIBUTION FROM HOUSE INVESTIGATIONS

[illegible]

STATION ID: 3440

STATION NAME: 3440

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1-12		0.7	0.1		0.7		0.0	0.0			0.0	0.0	0.0
1-1		1.5	0.0	0.0	1.0		10.0	10.0		0.0	0.0	10.0	1.0
1-2		0.5	0.9	0.0	0.0		10.0	10.0	0.0	0.0	0.0	10.0	1.0
1-3		0.2	0.7	0.0	1.0		0.0	10.0	1.0			10.0	1.0
1-4		0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
1-5		0.2	0.0		0.0		0.0	0.0	1.0		0.0	0.0	0.0
1-6		0.2	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
1-7		0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
1-8		0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
1-9		0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
1-10		0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
1-11		0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
1-12		0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
TOTALS		0.7	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	10.0	1.0

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1	1-24	1.3	2.7				5.0	3.4	.4		.4	4.1	7.5
2	1-24	1.4	1.7	.1	.1		7.0	7.0				7.7	7.7
3	1-24	.4	3.7		.1		5.1	12.0	.1			13.2	13.7
4	1-24	.5	1.7		.7		5.5	9.7	1.3			11.1	7.5
5	1-24	.5	1.0				3.0	4.0	.5			4.5	7.4
6	1-24	1.3	2.5		.1		5.5	3.5	.5		.5	4.0	7.9
7	1-24	2.5	3.4		.7	.1	5.5	3.5	.5		1.5	1.7	7.7
8	1-24	1.7	1.4				5.4	3.2	.3		.1	4.4	7.4
9	1-24												
10	1-24												
11	1-24												
12	1-24												
TOTALS		1.3	2.7	.1	.2	.1	5.4	3.2	.7		.5	4.4	87.1

U.S. METEOROLOGICAL BRANCH
742
UNITED STATES SERVICE

WEATHER CONDITIONS

STATION _____ ALL U.S. REP. MAP OF _____ YEARS _____ MONTH _____
STATION NAME _____

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1-2	5-12	0.0	10.4				1.0	9.0	0.0			0.0	1
	3-10	4.0	10.1				10.1	10.4	0.0			1.1	11
	8-11	0.0	1.0				0.0	10.0	2.0			2.0	12
	1-12	1.2	0.0				0.0	0.0	2.0		0.1	11.0	14
	1-14	1.0	1.0				0.0	0.0	1.0		0.0	2.0	12
	1-17	2.0	4.0				4.0	0.0	0.0		0.0	4.0	12
	1-1	0.0	0.0			0.0	0.0	0.0	1.0			1.0	107
	1-23	0.0	1.0				0.0	0.0	0.0			0.0	121
TOTALS		0.0	7.0			0.0	7.0	7.0	1.0		0.0	0.0	500

W. J. M. TOLSON
 DIRECTOR
 FEDERAL BUREAU OF INVESTIGATION

WEATHER CONDITIONS

STATION WILLIAMS TAP ON STATION NAME 73-51 YEARS 50 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1-1	0-1	4.4	5.2				5.5	1.1	.1			1.3	7.1
	1-11	4.2	5.5				5.5	5.1	.1			1.3	7.5
	1-11	5.4	5.5				5.5	7.7	1.5			1.4	7.4
	1-11	1.5	5.5				5.5	5.1	1.5			1.5	7.7
	1-11	1.5	5.2				5.2	.7	.5			1.4	7.1
	1-11	2.5	7.5				5.5	1.1	.5			1.4	7.5
	1-11	5.4	5.5				5.2	.5	.1		.4	1.5	7.1
	1-21	4.3	4.5				4.5	.4			.5	.8	7.7
TOTALS		1.1	5.4				4.4	2.7	.5		.1	3.1	53.9

ALBANY METEOROLOGICAL BRANCH
 141
 1417-1418 SERVICE ROAD

WEATHER CONDITIONS

STATION WILL OBER 14P 04 STATION NAME 75-81 YEARS 30 MONTH 30

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	1-12	2.7	2.8				2.5	2.4	1.1			3.0	4.7
	13-24	2.1	4.2				4.3	3.7	1.2			4.0	5.1
	25-31	1.3	3.0				3.9	6.0	3.4			5.7	3.1
	1-12	.7	2.6				2.0	2.3	3.7			4.0	4.2
	13-24	.7	2.3				2.3	1.2	3.4			4.5	4.3
	25-31	1.2	2.3			.1	2.3	.6	2.5			3.0	4.7
	1-12	2.4	3.3				3.3	.6	2.7			3.7	4.0
	13-24	2.4	4.7				4.7	1.0	1.6			1.0	4.7
	25-31												
	1-12												
	13-24												
	25-31												
TOTALS		1.0	1.3			.1	3.3	2.3	2.4			4.5	51.9

METEOROLOGICAL BRANCH
 METAC
 AIR FORCE SERVICE/MAO

WEATHER CONDITIONS

STATION WILL HOBBS IAP CP YEARS 1956-57 MONTH 1957

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1	1-24	2.5	3.3				3.3	1.7	.4			2.1	27
2	1-24	2.7	3.7				3.7	3.2	1.3			4.4	125
3	1-24	1.1	2.7			.4	3.3	4.7	5.1			17.6	14
4	1-24	.2	3.7				3.3	4.7	3.3			8.3	497
5	1-24	.5	1.5				1.5	1.5	1.5			3.5	5.1
6	1-24	1.1	2.3				2.3	1.2	1.7			.7	17
7	1-24	3.3	2.7				3.3	.5	1.5			1.5	12
8	1-24	3.4	2.7				2.5	.5	.7			1.5	5.7
TOTALS		.2	1.8			.4	3.2	3.3	2.1			4.2	6568

U.S. AIR FORCE
 CLIMATE BRANCH
 AFMTC
 WASHINGTON, D.C.

WEATHER CONDITIONS

STATION WILL ROGERS 28P OK STATION NAME WILL ROGERS YEARS 73-74 MONTH 1

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1	0-23	0.3	0.0				0.0	0.0	0.0			0.0	7.4
2	0-23	0.3	0.0				0.0	0.0	0.0			0.0	7.4
3	0-23	0.0	0.0				0.0	0.0	0.0			0.0	7.4
4	0-23	0.0	0.0				0.0	0.0	0.0			0.0	7.7
5	0-23	0.0	0.0				0.0	0.0	0.0			0.0	7.7
6	0-23	0.0	0.0				0.0	0.0	0.0			0.0	7.4
7	0-23	0.0	0.0				0.0	0.0	0.0			0.0	7.4
8	0-23	0.0	0.0				0.0	0.0	0.0			0.0	7.4
9	0-23	0.0	0.0				0.0	0.0	0.0			0.0	7.4
10	0-23	0.0	0.0				0.0	0.0	0.0			0.0	7.4
11	0-23	0.0	0.0				0.0	0.0	0.0			0.0	7.4
12	0-23	0.0	0.0				0.0	0.0	0.0			0.0	7.4
TOTALS		0.2	0.0				0.0	0.0	0.0			0.0	7.4

NO. 10-10-5 (OL A)
 TAC
 WEATHER SERVICE

WEATHER CONDITIONS

STATION WILLIAMS, IAP, AK STATION NAME WILLIAMS YEARS 1951 MONTH 1951

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	1-1	1.2	1.5				7.5	7.5				7.5	1.5
	1-15	.7	1.7				1.7	1.5				.5	1.7
	1-31	.7	7.5				7.5	12.5	.5		.2	17.5	5.7
	2-1	.5	5.5				5.5	7.5	.5		.1	5.5	11
	2-15	.5	5.5				5.5	4.5	.5		.1	5.5	11
	2-28	.5	4.5				4.5	5.5	.5		.2	4.5	17
	3-1	.2	5.5				5.5	3.5			.1	4.5	19
	3-15	.2	5.5				5.5	4.5	.5			5.5	17
	3-31												
	4-1												
	4-15												
	4-30												
	5-1												
	5-15												
	5-31												
TOTALS		.5	5.5				5.5	5.5	.5		.1	7.5	15.5

1. NAME OF MAINTENANCE BRANCH
 2. LOCATION
 3. DISTRICT SERVICE AREA

WEATHER CONDITIONS

STATION WILLIAMS, EAP, OK YEAR 75-76 MONTH NOV
 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	7-11	.3	7.3	.1	1.4		7.4	11.5	.4			11.	7.8
	1-5	.4	7.4	.1	1.7		13.7	13.5				17.	7.5
	6-10	.3	7.1		1.7		17.3	14.6	.3			1.	7.5
	11-12	.5	7.1		1.7		9.1	15.5	.7	.1		17.7	7.3
	1-14	.5	7.		1.3	.3	5.4	11.7	.1	.1		12.	7.5
	15-17	.4	6.4		.4		6.5	5.2	1.3			5.	7.5
	18-20	.3	5.5		.1		5.5	7.1	.3			1.	7.5
	21-23	.1	5.3		.2		5.2	9.2	.5			5.7	7.5
TOTALS		.4	7.3	.	1.1	.	5.7	12.1	.7	.1		17.	67.5

WEATHER CONDITIONS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLFET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1-15	5-11		4.1	1.1	1.1		5.7	9.7					19
	-	.1	4.7	.7	2.1		7.5	10.5					27
	5-11		4.7	.5	1.5		5.7	12.7	.1	.1		12.7	35
	5-11		5.7	.7	2.5		5.5	13.7	1.7	.4		15.7	39
	1-14		4.7	.7	2.1		7.2	10.5	.5	.4	.1	11.7	35
	-		5.7	.5	1.1		5.5	9.5	.1	.1	.1	10.7	34
	5-11		5.7	.5	1.5		5.7	7.7	.1	.1		7.7	27
	1-25		.7	.5	2.7		7.5	7.7				7.7	27
TOTALS		.1	4.1	.7	1.5		5.4	10.3	.1	.1	.1	17.7	597

CLIMATE LOG BRANCH

110

STATION: SAN VILLAS

WEATHER CONDITIONS

STATION: WILLIAMS FIELD STATION NAME: 1951 YEARS: 1951 MONTH:

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	400	.1	3.1	1.0	0.		1.1	13.1	.4		.1	1.6	5347
FEB		.1	5.1	1.1	4.	.1	9.5	17.0	.1	.4	1.3	1.9	5341
MAR		.9	1.8	.3	.1		6.7	12.1	.4	.1	.3	11.7	5344
APR		1.3	.1	.1	.1	.1	6.4	5.9	.6		.3	5.1	5351
MAY		7.5	7.1			.1	7.5	7.3	1.4		.1	1.	5350
JUN		.1	1.4				4.4	2.7	.3		.1	1.	5348
JUL		1.0	1.7			.1	3.3	2.3	2.4			1.6	5352
AUG		1.1	1.			.1	3.2	3.7	2.1			1.1	5354
SEP		1.2	1.				3.1	1.2	2.1		.1	.1	5353
OCT		.3	1.4				3.4	3.9	.2		.1	1.	5354
NOV		.4	1.3	.1	1.1	.1	3.0	12.1	.7	.1		1.1	5349
DEC		.1	1.1	.7	1.3		3.4	10.3	.2	.1	.	1.1	5357
TOTALS		1.6	1.6	.3	1.1	.1	5.7	8.0	1.3	.1	.1	3.4	77449

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

WEATHER CONDITIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

STATION NAME STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
11	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTALS													

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

2

NATIONAL METEOROLOGICAL SERVICE
 WASHINGTON, D. C. 20541
 FORM 1210-15-5 (OL1)

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 (FROM DAILY OBSERVATIONS)

STATION NAME: WILLOW BRIDGE, IAP, OH
 YEARS: 1951-1952

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	55-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN		17.5	2.5	5.8	7.5	3.1	2.1	1.5	.5					11.5	134	1.5	5.5	7.5
FEB		1.5	5.5	5.5	5.5	5.5	2.5	2.5	.5					12.5	134	1.5	7.5	7.5
MAR		1.5	5.5	4.5	5.5	5.5	4.5	3.7	1.1					2.1	134	2.15	7.5	7.5
APR		1.5	5.5	4.5	5.5	5.5	3.5	3.5	1.1	.5				2.1	134	2.75	7.5	7.5
MAY		1.5	5.5	5.5	5.5	5.5	5.5	5.5	1.1	1.1	.5			2.1	134	5.5	7.5	7.5
JUN		1.5	5.5	5.5	5.5	5.5	4.5	5.5	3.5	.7				22.5	134	4.5	7.5	7.5
JUL		5.5	5.5	5.5	5.5	5.5	4.5	4.4	2.5	.5	.5			22.5	134	5.17	5.5	7.5
AUG		5.5	5.5	4.5	5.5	5.5	3.5	3.5	2.2	.5				21.5	134	2.46	5.77	7.5
SEP		11.2	5.5	5.5	5.5	5.5	4.5	3.5	2.5	.5	.5			22.5	134	3.7	5.5	7.5
OCT		11.1	1.7	3.5	5.5	5.5	2.5	3.1	2.5	.5				15.5	134	2.56	5.5	7.5
NOV		5.5	5.5	4.5	5.5	5.5	1.5	2.5	1.2					15.7	134	1.45	5.5	7.5
DEC		15.5	2.1	3.5	5.5	5.5	2.1	1.4	.4					15.5	134	1.11	3.5	7.5
ANNUAL		12.5	5.5	4.5	5.5	5.5	4.5	3.5	3.5	1.9	.5	.5		22.5	12416	5.22		

EXTREME VALUES

DECEMBER 1977

FROM DAILY OBSERVATIONS.

STATION	STATION NAME
---------	--------------

- 5 -

YEARS

4. 40 - AMOUNTS IN DOLLARS

[illegible]

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

NAME OF STATION

43-01

YEARS

1.4444444444444444

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	.04	1.021	.047	.0	1.047	1.047	1.047	.0	.04	.0	.047	.0	.047
2	.04	.04	1.047	1.047	1.047	1.047	1.047	1.047	.047	.047	1.047	1.047	1.047
3	1.047	.04	.047	1.047	1.047	1.047	.047	.047	.047	.047	.047	.047	.047
4	.047	.047	.047	.047	.047	2.047	1.047	1.047	.047	1.047	1.047	.047	1.047
5	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
6	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
7	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
8	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
9	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
10	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
11	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
12	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
13	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
14	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
15	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
16	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
17	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
18	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
19	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
20	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
21	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
22	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
23	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
24	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
25	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
26	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
27	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
28	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
29	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
30	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
31	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
MEAN	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
S.D.	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047
TOTAL OBS	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047	.047

NOTE: BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 088-5 (OLA)
JUL 64

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME

NO-01

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1	0.04	2.01	1.11	1.49	4.01	7.75	1.55	1.35	2.40	1.01	1.67	0.05	2.01
2	0.04	0.71	1.12	1.52	5.71	5.71	1.21	1.21	2.31	1.21	1.41	1.21	1.21
3	1.01	1.33	0.71	0.75	0.75	2.00	7.14	0.01	2.04	0.07	0.01	0.01	0.01
4	0.04	2.05	1.61	1.02	1.65	5.17	3.12	1.21	1.11	1.41	1.21	0.01	1.21
5	0.04	1.45	0.40	1.13	7.45	0.01	0.01	0.01	0.01	1.41	1.21	0.01	0.01
6	0.01	1.00	7.29	1.02	2.12	1.34	5.15	1.05	0.01	5.01	0.07	1.21	1.21
7	0.01	0.64	0.67	1.04	0.21	0.01	0.71	1.04	0.01	1.07	0.01	1.21	1.21
8	0.04	1.35	1.04	0.72	3.42	1.00	1.31	1.11	4.71	1.21	0.01	1.21	1.21
9	0.01	1.51	0.01	0.01	0.77	2.41	0.19	0.01	0.01	7.01	1.49	0.01	0.01
10	1.01	0.06	0.15	1.02	0.67	0.01	0.15	1.01	1.01	2.01	2.29	0.01	0.01
11	1.01	0.03	0.02	0.02	7.01	7.17	0.01	1.51	1.01	1.01	0.01	1.01	1.01
12	0.04	0.09	1.04	2.01	1.51	2.02	5.44	0.01	7.01	0.01	0.74	1.21	0.01
13	0.01	1.12	0.01	0.01	0.71	5.61	7.64	0.01	1.01	4.00	0.24	0.01	0.01
14	0.04	1.01	1.35	0.71	1.92	1.01	4.04	1.01	1.01	2.01	1.01	1.21	1.21
15	1.41	1.02	0.01	0.10	0.64	7.64	1.71	7.05	0.01	2.01	1.34	0.01	0.01
16	0.04	0.12	7.21	2.77	1.51	2.31	5.15	1.01	1.01	2.01	2.41	0.01	0.01
17	0.01	0.17	1.75	2.00	1.21	0.77	2.01	0.01	0.01	0.01	1.45	0.01	0.01
18	0.04	0.04	0.06	1.04	2.14	1.12	1.57	1.17	1.01	1.01	1.01	1.21	1.21
19	0.01	2.34	1.01	3.00	0.06	2.05	2.30	0.77	0.01	0.01	0.01	0.01	0.01
20	0.01	0.01	2.42	5.71	0.21	2.21	1.21	1.41	3.15	2.71	0.01	1.21	1.21
21	0.01	1.02	2.04	1.03	0.40	2.31	1.41	0.75	2.01	0.01	0.01	1.01	1.01
22	0.01	1.03	7.01	1.06	7.99	4.01	1.42	2.35	1.01	1.21	1.01	1.01	1.01
23	0.01	0.04	0.07	5.33	0.53	2.41	1.01	0.01	4.01	1.01	1.01	0.01	0.01
24	0.04	1.93	0.01	0.24	2.52	3.15	4.12	2.11	4.01	2.01	0.29	2.71	1.01
25	0.01	0.45	1.11	7.10	4.03	1.75	7.22	1.47	2.01	7.07	2.75	0.01	0.01
26	0.04	0.31	1.70	2.34	3.61	5.31	3.31	1.35	5.01	1.01	2.51	0.41	0.01
27	0.11	2.13	7.12	4.05	0.11	3.35	0.01	0.47	5.24	0.07	7.34	0.01	0.01
28	1.01	1.01	1.02	1.04	5.75	4.54	7.71	0.01	1.21	0.01	0.77	1.21	1.21
29	1.41	0.03	0.01	2.04	4.35	0.40	1.34	0.40	1.53	1.70	0.01	0.01	0.01
30	0.01	1.41	1.31	2.00	7.27	2.01	4.11	1.01	1.01	2.01	1.51	0.14	0.01
MEAN													
S.D.													
TOTAL OBS.													

NOTE: BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0885 (OIA)

1. The first group of respondents (Group 1) consisted of 100 individuals who were randomly selected from a list of all employees of the company. This group was surveyed in the first quarter of 2018.

1944 12 22 1944 12 22 1944 12 22 1944 12 22

FROM DAILY OBSERVATIONS

STATION

STATION NAME

— — — — —

YEARS.

TOTAL MONTHLY PRECIPITATION IN INCHES.

[illegible]

USAF ETAC FORM 0-88.5 (OLA)

2

1. NAME OF CLIMATEOLOGICAL STATION
2. LOCATION
3. DATE OF SERVICE

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

1. NAME OF CLIMATEOLOGICAL STATION

45-00'

STATION

STATION NAME

YEARS

PRECIP	NONE	TRACE	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
			01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	2001 5000	OVER 5000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1 0.4	0.5 1.4	1.5 2.4	2.5 3.4	3.5 4.4	4.5 6.4	6.5 10.4	10.5 15.4	15.5 25.4	25.5 50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120						
JAN																			
FEB																			
MAR																			
APR																			
MAY																			
JUN																			
JUL																			
AUG																			
SEP																			
OCT																			
NOV																			
DEC																			
ANNUAL																			

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION 100 - 120 120 00 STATION NAME

YEARS

4500 4th UNIT, IN 1400

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	1.02	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
2	1.03	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15	1.16
3	1.04	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17
4	1.05	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18
5	1.06	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.19
6	1.07	1.09	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.20
7	1.08	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.20	1.21
8	1.09	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.20	1.21	1.22
9	1.10	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.20	1.21	1.22	1.23
10	1.11	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.20	1.21	1.22	1.23	1.24
11	1.12	1.14	1.15	1.16	1.17	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25
12	1.13	1.15	1.16	1.17	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26
13	1.14	1.16	1.17	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26	1.27
14	1.15	1.17	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26	1.27	1.28
15	1.16	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26	1.27	1.28	1.29
16	1.17	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26	1.27	1.28	1.29	1.30
17	1.18	1.20	1.21	1.22	1.23	1.24	1.25	1.26	1.27	1.28	1.29	1.30	1.31
18	1.19	1.21	1.22	1.23	1.24	1.25	1.26	1.27	1.28	1.29	1.30	1.31	1.32
19	1.20	1.22	1.23	1.24	1.25	1.26	1.27	1.28	1.29	1.30	1.31	1.32	1.33
20	1.21	1.23	1.24	1.25	1.26	1.27	1.28	1.29	1.30	1.31	1.32	1.33	1.34
21	1.22	1.24	1.25	1.26	1.27	1.28	1.29	1.30	1.31	1.32	1.33	1.34	1.35
22	1.23	1.25	1.26	1.27	1.28	1.29	1.30	1.31	1.32	1.33	1.34	1.35	1.36
23	1.24	1.26	1.27	1.28	1.29	1.30	1.31	1.32	1.33	1.34	1.35	1.36	1.37
24	1.25	1.27	1.28	1.29	1.30	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38
25	1.26	1.28	1.29	1.30	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.39
26	1.27	1.29	1.30	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.40
27	1.28	1.30	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.40	1.41
28	1.29	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.40	1.41	1.42
29	1.30	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.40	1.41	1.42	1.43
30	1.31	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.40	1.41	1.42	1.43	1.44
31	1.32	1.34	1.35	1.36	1.37	1.38	1.39	1.40	1.41	1.42	1.43	1.44	1.45

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

USAF ETAC FORM 0885 (OLA)

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1													
2													
3													
4													
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98													
99													
100													
MEAN													
S.D.													
TOTAL OBS													

NOTE * BASED ON LESS THAN FULL MONTHS

1990

FROM DAILY OBSERVATIONS

STATION NAME

4-2-2

YEARS

TOTAL MONTHLY SAVINGS IN 1967

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1			1.2	1.1										
2			1.4	1.4	1.4									
3				1.4	1.4									
4			1.4	1.4	1.4									
5			1.4	1.4	1.4									
6			1.4	1.4	1.4									
7			1.4	1.4	1.4									
8			1.4	1.4	1.4									
9			1.4	1.4	1.4									
10			1.4	1.4	1.4									
11			1.4	1.4	1.4									
12			1.4	1.4	1.4									
13			1.4	1.4	1.4									
14			1.4	1.4	1.4									
15			1.4	1.4	1.4									
16			1.4	1.4	1.4									
17			1.4	1.4	1.4									
18			1.4	1.4	1.4									
19			1.4	1.4	1.4									
20			1.4	1.4	1.4									
21			1.4	1.4	1.4									
22			1.4	1.4	1.4									
23			1.4	1.4	1.4									
24			1.4	1.4	1.4									
25			1.4	1.4	1.4									
26			1.4	1.4	1.4									
27			1.4	1.4	1.4									
28			1.4	1.4	1.4									
29			1.4	1.4	1.4									
30			1.4	1.4	1.4									
31			1.4	1.4	1.4									
32			1.4	1.4	1.4									
33			1.4	1.4	1.4									
34			1.4	1.4	1.4									
35			1.4	1.4	1.4									
36			1.4	1.4	1.4									
37			1.4	1.4	1.4									
38			1.4	1.4	1.4									
39			1.4	1.4	1.4									
40			1.4	1.4	1.4									
41			1.4	1.4	1.4									
42			1.4	1.4	1.4									
43			1.4	1.4	1.4									
44			1.4	1.4	1.4									
45			1.4	1.4	1.4									
46			1.4	1.4	1.4									
47			1.4	1.4	1.4									
48			1.4	1.4	1.4									
49			1.4	1.4	1.4									
50			1.4	1.4	1.4									

NOTE: * BASED ON LEADS 74A, FULL MONTHS)

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1													
2													
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99													
100													
MEAN													
S D													
TOTAL OBS													

CLIMATE DATA BRANCH
STATE
FEDERAL BUREAU OF SURVEY

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NO. 1210 WS STATION NAME YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	0'	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	0 01 20 00	OVER 20 00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0 04	0 5 14	1 5 24	2 5 34	3 5 44	4 5 64	6 5 104	10 5 154	5 5 254	25 5 304	OVER 50 4					
SNOW DEPTH	NONE	TRACE	1	2	2	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

[illegible]

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

3

1. CLIMATE DATA

2. CLIMATE DATA

EXTREME VALUES

SUPPLEMENT

FROM DAILY OBSERVATIONS

3. CLIMATE DATA
STATION NAME

4. CLIMATE DATA

YEARS

DAILY PEAK WINDS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1	7.0	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
6	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
7	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
8	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
10	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
11	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
13	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
14	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
15	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
16	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
17	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
18	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
19	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
20	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
21	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
22	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
23	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
24	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
25	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
26	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
27	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
28	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
29	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
30	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
31	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
MEAN	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
S D	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
TOTAL OBS	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

USAF ETAC FORM 0 BR 5 (OLAI)

1. CLIMATE DATA

2. CLIMATE DATA

JOINT AIRCRAFT BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL ROGERS TAP OK

77-81

YEARS

JAN

MONTH

ALL WEATHER

CLASS

2007-01-01

HOURLY

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	.5	.3	2.4	.6						.1	12.1
NNE		.4	1.0	1.3	.1							2.8	13.4
NE	.4	1.7	2.6	1.7								6.4	9.0
ENE	.4	1.7	1.0	.2								2.9	8.7
E	.4	1.2	.6	.1								1.3	6.1
ESE	.0	.9	.9	.1								2.1	6.3
SE		2.0	2.1	1.6								6.1	8.3
SSE		2.3	4.5	4.4	.2							11.5	9.6
S	.0	4.3	4.3	4.5	1.3							14.8	9.5
SSW	.2	1.7	1.3	.7								4.1	7.3
SW	.0	1.0	1.2	.4	.1							3.7	7.0
WSW	.4	.7	.2	.2	.1							1.7	6.7
W	.5	1.2	.4	.1								2.2	5.2
WNW	.1	1.0	.1	.1								1.3	5.7
NW	.1	.6	2.7	1.0	.6	.4						5.6	10.7
NNW	.2	1.7	2.3	2.9	1.1	.4	.2					8.9	11.3
VARBL													
CALM												4.0	
	3.7	25.5	31.8	17.1	5.7	1.3	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

320

2

U.S. AIR FORCE METEOROLOGICAL SERVICE
 METEOROLOGICAL BRANCH
 METEOROLOGICAL SERVICE/MAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION WILL ROGERS IAP OK
 STATION NAME

73-81

YEARS

JAN

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.2	5.6	8.1	2.6	1.2	.5					20.5	12.5
NNE	.1	.7	1.7	.9		.1						3.7	8.9
NE	.1	.4	3.2	1.1								5.4	8.3
NNE	.1	.4	1.2									2.3	5.5
E	.1	.4	.2									1.1	5.7
ESE	.1	2.1	.9									2.9	5.4
SE	.1	2.1	1.7	1.3								5.3	7.3
SSE	.1	2.2	3.3	5.1	.2							11.1	10.7
S	.5	4.5	5.5	2.3	1.2							15.4	8.5
SSW	.1	1.7	1.1	.4								3.2	7.2
SW	.1	1.2	1.3	.1								2.9	5.7
WSW	.2	.7	.5									1.5	5.4
W	.1	1.1	.7	.2								2.1	7.5
WNW	.1	1.2	.5	.4								2.3	7.2
NW	.1	.5	2.2	1.2	.5	.5						5.5	11.6
NNW		.9	2.8	4.7	1.1	.6	.5					10.5	13.5
VARBL													
CALM												4.7	
	3.7	23.5	33.5	25.8	5.4	2.4	1.2					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

517

2

JOINT CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK YEARS 77-81 MONTH JAN
STATION NAME ALL WEATHER CLASS ALL WEATHER MONTH 600-0000
CONDITION ALL WEATHER MONTH 0000-0000

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	5.9	5.9	3.9	1.5	.2	.1				22.3	13.3
NNE	.1	.5	1.3	1.6								3.5	10.4
NF	.2	1.2	2.7	.8								5.3	8.0
ENE	.1	.4	.7	.2								1.4	7.8
E	.4	1.1	1.2	.1								2.7	6.5
ESE	.2	1.0	.5	.2								1.9	6.2
SE	.2	1.6	3.5	1.1								5.3	7.9
SSE	.1	3.1	4.7	3.6	.2							11.7	9.2
S	.6	3.4	4.1	3.1	1.1							12.3	9.6
SSW	.2	2.3	1.2	.4								4.1	6.4
SW	.1	1.4	.8	.4								2.5	6.9
WSW	.1	1.1	.5	.2								1.6	6.7
W	.4	.5	.6									1.4	5.8
WNW	.1	.5	.7		.4							1.7	6.7
NW	.2	.4	2.3	1.6	.6	.2	.1					5.9	11.0
NNW	.2	1.6	4.0	3.0	1.0	.2	.5					10.5	11.6
VARBL												4.3	
CALM													
	3.7	21.6	34.3	25.4	7.1	2.1	.8	.1				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

628

U. S. AIR FORCE CLIMATOLOGY BRANCH
 AFMTCAC
 U. S. WEATHER SERVICE/AFMTCAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS
 CLASS ALL WEATHER MONTH JAN
 CONDITION 1977-1978 HOURS (EST)

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.7	5.7	9.8	4.7	1.8	.5					22.4	13.5
NNE		.9	.9	2.3	.2	.1						4.7	11.5
NE	.1	.4	2.3	1.6								4.6	9.4
ENE	.1	.4	1.8	.2								2.5	8.1
E		1.1	1.1									2.1	7.2
ESE	.1	.9	.9	.2	.1							2.2	7.5
SE	.1	.7	1.6	.5	.2							3.2	8.7
SSE		.7	3.4	4.8	.1							9.1	13.9
S	.2	2.1	5.1	5.9	2.6	.2						16.1	11.8
SSW	.2	1.1	1.6	1.5	.6	.2						5.3	10.6
SW	.1	1.2	1.2	1.5	.1							4.2	9.2
WSW	.1	1.3	1.0	.5								2.9	7.5
W	.2	1.1	.4	.2								2.7	6.6
WNW		.4	.4	.1								.9	7.9
NW		.9	1.2	2.0	.6	.5	.1					5.9	13.4
NNW	.4	1.2	2.8	4.6	1.6	.5	.2	.1				11.5	12.9
VARBL													
CALM												2.1	
	2.7	15.2	31.4	34.7	17.3	3.4	.9	.1				130.2	11.2

TOTAL NUMBER OF OBSERVATIONS 613

U.S. AIR FORCE CLIMATOLOGY BRANCH
 U.S. AIR FORCE TAC
 AIR WEATHER SERVICE/MAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WILL ROGERS TAP ON 73-81 JAN NORTH
 STATION NAME YEARS
 ALL WEATHER CLASS
 1200-1400 HOURS (L.S.T.)

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	5.6	7.1	3.4	2.3	.4					22.5	13.8
NNE	.1	.7	1.2	1.2	.1							3.4	9.6
NE	.1	.4	2.2	1.2	.5							4.4	10.4
ENE	.1	.4	1.3	.6								2.4	8.1
E	.1	1.5	.2	.2								1.5	6.9
ESE		.3	.4	.1								1.7	7.3
SE	.2	.9	.9	1.5								3.4	9.4
SSE		1.5	2.4	3.6	.1							7.2	15.9
S	.4	.5	3.5	7.5	3.5	.1						15.6	13.2
SSW		.7	2.4	2.1	1.8	.2						7.3	12.7
SW	.2	.6	1.5	.5	1.2	.4						4.4	12.6
WSW	.1	1.7	1.3	.9	.2							3.5	9.3
W		.4	1.3	1.0	.1	.1						2.5	10.9
WNW	.1	.5	1.3	.2	.4							2.6	9.4
NW	.1	1.5	2.1	2.1	1.1	.5	.2					7.5	12.4
NNW	.4	1.7	2.6	2.8	2.2	.5	.7					15.1	13.8
VARBL													
CALM												.5	
	2.1	12.5	29.9	34.7	14.7	4.1	1.3					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 622

GLOBAL CLIMATOLOGY BRANCH
METEOR
A. WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12 F 3	WILL ROGERS IAP OK	73-31	JAN
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1973-1975
CLASS			HOURS (L & T)
CONDITION			

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.5	4.1	11.7	7.4	1.3						21.4	15.2
NNE		.5	1.5	1.3	.5							3.5	11.6
NE		.5	2.2	1.3								4.1	7.8
NNE	.4	.5	1.9	.5								3.1	8.2
E	.4	.5	1.6	.5								1.3	7.6
ESE	.7	1.2	.5									1.9	5.8
SE		1.5	1.2	1.7								3.9	9.3
SSE	.1	.5	3.5	3.7	.5							8.6	15.5
S		1.2	3.8	6.8	1.9	.1						15.9	12.5
SSW		.4	2.2	1.9	1.1							5.6	12.3
SW	.1	.5	1.9	1.0	.6							4.1	11.3
WSW	.4	.5	1.1	.6	.1							2.7	6.9
W	.1	.5	1.6	.6								2.9	8.8
WNW	.1	.7	.9	1.2	.2		.1					3.2	11.0
NW		.5	1.1	1.3	1.1	.9	.5					5.5	15.8
NNW	.4	1.2	2.1	3.0	2.6	.7	.4					11.5	13.4
VARIABLE													
CALM												2.1	
	2.2	12.3	31.1	16.3	12.1	3.7	1.1					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL ROGERS IAP OK STATION NAME 73-51 YEARS JAN MONTH 1970-1970 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED KNTS D.P.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.3	7.1	9.9	2.9	.2	.2					24.0	11.5
NNE		.6	1.3	1.1	.4							3.4	10.1
NE		1.2	2.3	.8	.2							4.6	8.7
ENE	.1	1.1	1.3	.6								3.5	8.2
E		1.2	2.5	.2								4.0	7.5
ESE	.4	1.7	2.2	.1								4.3	6.7
SE		1.6	2.8	2.2								6.5	9.0
SSE	.4	1.3	3.7	3.1	.4							5.9	9.7
S	.5	3.6	4.8	4.3	.2							13.5	9.1
SSW	.2	2.4	2.2	.4								5.2	8.7
SW	.4	.6	.5									1.7	5.2
WSW	.5	.9	.4									1.7	4.7
W	.2	1.3	.4									1.9	4.9
WNW	.4	.6	1.1	.2								2.3	6.4
NW		.7	1.1	1.2	.6	.2						3.9	11.5
NNW	.2	1.7	1.8	1.6	1.3	1.0	.1					7.7	12.5
VARBL													
CALM												3.3	
	3.6	23.9	35.5	25.8	6.2	1.4	.4					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

928

JOINT CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

12 83 WILL ROGERS IAP OK 73-81 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	7.0	7.2	3.2	.7	.4					18.5	12.2
NNE		1.1	1.0	1.8	.4							4.3	10.1
NE	.4	1.1	3.2	.6	.1							5.4	8.2
ENE		.5	2.1	.2								2.5	7.4
E	.2	.7	1.0	.1								2.1	6.5
ESE		1.8	1.2	.9								3.9	7.5
SE	.1	2.1	2.3	2.0								6.5	8.6
SSE	1.0	1.2	4.3	3.5	.5							11.1	9.6
S	.5	4.3	4.5	4.5	.9							14.7	9.2
SSW		2.3	1.6	.4	.1							4.4	7.2
SW	.1	1.2	.9	.1								2.3	6.7
WSW	.3	.9	1.0	.1								2.4	6.5
W	.1	1.2	.7	.2								2.3	6.7
WNW	.2	1.2	.4	.4								2.2	6.4
NW	.4	1.3	1.6	1.8	.4	.2						5.7	10.5
NNW	.2	1.8	1.2	1.3	.9	.4						5.9	10.8
VARBL													
CALM												4.3	
	3.8	25.3	33.8	25.2	6.5	.9	.4					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL ROGERS TAP OK STATION NAME 77-81 YEARS JAN MONTH ALL HOURS L.B.T. CLASS ALL WEATHER CONDITION

SPEED KNOTS E.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.2	5.9	.9	7.2	1.2	.3	.1				11.0	12.4
NNE	.1	.5	1.2	1.4	.2							3.6	10.4
NF	.2	.2	2.6	1.1	.1							4.0	5.8
ENE	.2	.7	1.4	.3								2.0	7.7
E	.2	.2	1.1	.2								2.4	6.3
ESE	.2	1.2	.9	.2	.3							2.5	5.7
SE	.1	1.5	1.9	1.5	.2							5.1	8.6
SSF	.2	1.7	3.7	4.6	.3							9.9	10.7
S	.5	3.7	4.6	4.9	1.5	.1						14.5	10.5
SSW	.1	1.0	1.7	1.0	.5	.1						4.9	9.2
SW	.2	1.1	1.2	.5	.3	.2						3.3	8.7
WSW	.3	.4	.7	.3	.1							2.3	7.4
W	.2	.2	.7	.3	.2	.5						2.2	7.3
WNW	.2	.2	.7	.3	.1	.0						2.7	8.2
NW	.1	.2	1.8	1.5	.7	.4	.1					5.5	12.1
NNW	.2	1.4	2.4	3.0	1.9	.5	.3	.3				9.4	12.7
VARBL													
CALM												3.3	
	3.1	2.0	32.7	29.4	8.5	2.3	.7	.0				100.3	10.1

TOTAL NUMBER OF OBSERVATIONS 6573

GLOBAL CLIMATOLOGY BRANCH
J. H. FETAG
A. WEATHER SERVICE/MAD

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WILL ROGERS IAP OK STATION NAME 71-41 YEARS MONTH YEAR 1951
CLASS ALL WEATHER
CONDITION

SPEED KNTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.1	0.4	4.9	3.2	1.7	.1					15.2	12.5
NNE		.4	2.1	2.1	.7							5.2	11.7
NE	.1	.5	1.5	1.1	.1							3.7	7.4
ENE	.7	.9	1.2	.4								2.8	7.5
E		1.1	.5	.1								2.7	6.5
ESE		.5	1.1	.4								2.1	7.5
SE	.3	2.9	3.3	.7								7.2	7.7
SSE	.7	5.2	4.8	4.7	.3							15.7	9.1
S	.3	3.2	5.1	5.6	.8							14.9	9.9
SSW	.1	1.5	.7	.7								3.9	7.3
SW	.1	1.1	.9	.4		.3	.1					3.5	7.5
WSW		.5	1.2	.3								2.1	6.7
W	.7	.1	.3	.4	.3							1.3	10.3
WNW		.4	1.1	.3								1.7	8.5
NW	.1	.7	1.5	1.1	.7	.4	.3					4.7	13.1
NNW		1.4	1.7	2.9	2.3	.3						8.7	13.4
VARBL													
CALM												3.3	
	23.4	33.7	26.7	8.8	2.3	.5						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 751

ARMED CLIMATOLOGY BRANCH
AFMTC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: VILL ROVERS IAP ON 77-31 YEAR: 1955
CLASS: ALL WEATHER MONTH: 12-1955
CONDITION: HOURS: 187

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.4	4.9	5.1	3.4	2.7						14.3	13.6
NNE	.1	.4	2.0	1.5	.1							4.2	10.7
NF	.1	.7	1.2	.8	.3							2.7	11.1
NNE	.1	.7	.7	.1								1.6	5.5
E	.1	1.2	.7	.7								2.5	7.1
ESE	.1	.4	1.3	.1								2.5	6.7
SE	.4	2.3	3.4	.7								6.7	7.2
SSE	.2	4.7	4.3	.4	.4							13.1	8.9
S	.4	3.3	7.5	6.6	.7	.7						19.7	10.0
SSW	.2	.7	.5	.5								1.5	8.5
SW	.7	.7	1.3	.4		.1						2.8	5.9
WSW		1.2	.4	.1								1.5	5.5
W		.7	.4	.5	.8							2.3	12.5
WNW		.7	.4	.3								.9	9.0
NW	.1	.7	.9	1.8	.5	.7	.1					5.1	12.5
NNW		1.1	3.0	3.5	2.3	.1						11.0	12.5
VARBL												4.5	
CALM													
	6.7	2.5	33.7	27.1	8.5	3.4	.3					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

742

U.S. CLIMATOLOGY BRANCH
 U.S. WEATHER SERVICE
 WASHINGTON, D.C.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME
 WILL ROGERS IADP

77-81

YEARS

MONTH

ALL WEATHER
 CLASS

WIND SPEED
 MILES PER HOUR

CONDITION

SPEED KNOTS OR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.1	4.2	7.5	7.3	1.1	.7					14.7	13.2
NNE	.1	.1	2.2	1.2	.4							4.1	13.3
NE		.4	1.5	.5	.1							1.7	13.1
NNE		.1	1.2	.1								1.5	7.5
E	.1	.4	.7	.4								1.5	7.8
ESE		.7	.5	.7								2.4	7.3
SE		1.2	1.5	1.7								4.5	5.9
SSE	.1	4.9	4.9	3.6	.4							13.9	5.6
S	.4	4.1	6.5	5.2	.9	.1						15.2	5.4
SSW	.1	1.5	1.5	.9								4.1	7.8
SW	.7	1.2	1.6	.3	.3							3.5	5.7
WSW	.1	.4	.1	.1								1.5	5.7
W	.1	1.7	.3	.1	.3							2.1	7.4
WNW		.1	.3	.5	.1	.1						1.5	11.2
NW	.1	.1	1.1	1.5	.7	.3	.4					4.7	13.1
NNW		1.1	1.7	5.1	1.7	1.1	.1					11.5	13.4
VARBL													
CALM													
	1.5	22.2	3.5	32.7	8.2	2.6	.8					100.0	13.2

TOTAL NUMBER OF OBSERVATIONS

758

U.S. CLIMATOLOGY BRANCH
 U.S. WEATHER SERVICE
 WASHINGTON, D.C.

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMPC
 U.S. WEATHER SERVICE/MAU

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILLIAMS FLD IAP OK CLASS ALL WEATHER
 YEAR 73-74 MONTH FEB
 NUMBER 100

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	3.5	7.5	3.3	.7	.5					17.2	13.5
NNE		.	1.2	1.9	.5	.1						4.5	14.1
N			1.7	1.5	.7							3.3	11.5
ENE		.	1.3	.								2.4	9.5
E		.	1.0	1.1								2.2	9.5
ESE		.	.8	.5	.1							2.2	9.3
NE		.7	1.2	.9								2.5	9.7
SSE		.	4.3	4.7	1.8	.3						11.0	11.5
S		1.0	3.7	7.2	1.9	.8						16.7	12.4
SSW		.6	2.3	1.6	1.5	.1						5.9	12.3
SW		1.0	1.1	1.2	.1							3.5	9.5
WSW	.1	.	1.6	.7	.3							2.7	9.5
W	.6	.7	.9	.3	.4							2.7	9.1
WNW		.1	.7	.4	.4	.1						1.7	13.5
NW		.	1.7	1.7	.9	.5	.4					5.5	14.7
NNW	.1	.7	2.0	2.9	3.2	2.1	.5					11.4	15.2
VARBL													
CALM												1.1	
TOTAL	.4	1.4	30.6	30.1	14.8	5.1	1.5					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

748

USAF/AC 105-10 (FORM 105-10) PREPARED BY THE U.S. AIR FORCE CLIMATOLOGY BRANCH

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			2.3	1.6	3.2	.8	.7					1.5	14.3
NNE	.1	.1	1.5	2.2	.7							1.1	11.8
NE	.1	.4	.9	1.1		1.1						2.7	12.4
NNE	.1	.4	.6	.7								1.6	7.7
E	.1	.4	1.4	.5								1.7	6.5
ESE		1.2	.4	.4								2.5	6.4
SE		.1	1.3	.8	.1							3.2	7.8
SSE		.1	1.3	2.7	.9	.3						5.9	12.7
S	.1	1.1	4.3	7.1	5.1	.6						15.6	13.6
SSW		.1	1.7	2.7	3.1	.5	.1					4.9	14.4
SW		.1	2.1	1.5	.3							4.7	12.5
WSW	.1	.7	1.1	.5	.7							2.4	9.6
W	.1	.1	1.7	1.1	.4	.1						4.1	11.2
WNW		.1	.5	.6	.1	.1						2.1	13.7
NW		.1	1.7	3.2	1.2	1.1						5.7	14.2
NNW	.1	.1	2.1	3.9	4.1	1.7	.3	.3				15.1	15.4
VARBL													
CALM												.3	
	1.7	1.2	29.7	34.4	27.2	5.7	1.2	.3				138.3	13.1

TOTAL NUMBER OF OBSERVATIONS 147

U.S. NAVAL OCEANOGRAPHIC SERVICE
 PACIFIC
 WEATHER SERVICE (HAWAII)

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 FROM HOURLY OBSERVATIONS

SURFACE WINDS

STATION NAME: HONOLULU, T.H.
 STATE: HAWAII

73-81

YEARS

SEP

MONTH

ALL WEATHER
 CLASS

1973-1981
 HOURS OBS.

CONDITION

DIRECTION	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.3	.6	7.7	.6	.2					17.1	14.2
NNE	.1	.4	1.1	2.3	.4						4.4	13.6
NW	.1	.1	.5	1.5							2.7	11.4
ENE		.1	1.1	.3	.1						1.7	9.3
E	.1	.4	1.2	1.2							1.7	9.5
ESE	.1	.1	1.2	.5							2.3	8.6
SE	.1	.1	1.3	.9		.1					3.1	9.1
SSE	.1	.7	3.5	4.4	.5						8.9	11.2
S	.1	.7	5.1	5.4	4.9	.9					19.0	13.4
SSW	.4	.1	2.1	2.9	2.0	.3					7.4	13.3
SW	.1	.3	1.5	1.5	.3	.3					3.9	11.4
WSW		.7	1.5	.4	.4						2.5	10.7
W		.4	1.2	.8		.1					2.5	10.3
WNW	.3	.5	1.3	1.9	.1						4.1	10.2
NW		.3	.8	2.9	1.9	.5	.1				6.5	14.9
NNW	.1	.5	2.3	3.3	2.0	1.7	1.1				11.5	15.8
VARIABLE											.7	
CALM												
	.1	6.7	20.9	53.8	16.4	4.7	1.7				100.0	12.6

TOTAL NUMBER OF OBSERVATIONS

752

UNCLASSIFIED FROM 1964-1966 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL HOURS IAP ON STATION NUMBER: 77-81 YEARS: 1900-1900
CLASS: ALL WEATHER NORTH
CONDITION: 1800-1900
HOURS: 1800-1900

SPEED KNOTS (K)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.0	7.1	1.4	2.2	1.4	.3					24.7	12.3
NNE		.5	1.1	1.6	.3							3.7	13.5
NE	.7	.7	1.5	.9								3.3	8.4
ENE		.4	1.5									1.4	7.5
E		1.1	1.6	.3								2.4	7.1
ESE	.2	1.5	1.5	.4								3.0	7.3
SE	.1	3.7	2.5	2.0		.1						7.3	8.3
SSE	.1	3.7	3.7	3.7	.1							11.4	9.0
S	.5	5.4	6.2	3.2	.5							15.5	8.6
SSW	.1	1.1	.3	.7								2.5	7.2
SW	.1	1.1	.7	.1								2.1	8.0
WSW		.7	.1	.1		.1						1.3	7.5
W	.1	.2	.4		.1	.1						1.0	6.7
WNW	.7	.3	.5	.3	.1							1.5	8.0
NW		1.1	1.2	1.1	1.3							4.0	11.9
NNW	.1	1.3	2.6	2.6	1.1	.4						8.0	11.9
VARBL													
CALM												2.5	
	.2	25.7	33.1	27.4	5.6	2.8	.3					170.3	9.6

TOTAL NUMBER OF OBSERVATIONS 756

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALL ROGERS TAP OK STATION NAME 73-81 YEARS FEB
CLASS ALL WEATHER MONTH 21-2370
CONDITION

SPEED KTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.1	7.4	7.5	2.4	1.7	.1					1.4	12.7
NNE	.3	.7	1.1	1.6	.1							3.7	10.7
NE		1.2	2.9	1.6	.1							5.9	9.3
ENE	.3	.1	.9	.3								1.5	7.8
E	.5	1.7	1.3	.3								3.9	6.5
ESE	.3	1.1	1.5	.1								2.9	6.5
SE	.3	2.1	4.4	2.0	.1							9.2	8.5
SSE	.1	3.5	6.7	4.7	.5	.1						15.7	9.5
S	.4	4.4	4.1	3.1	.4							12.4	8.4
SSW		.7	1.1	.4	.1							2.3	9.1
SW		1.7	.3	.1								2.1	5.7
WSW		.3	.4			.1						.3	9.3
W		1.2	.5	.4	.3							2.4	8.6
WNW	.4	.7	.4		.1	.1						1.7	7.8
NW	.1	1.5	1.2	1.1	1.1							5.5	10.6
NNW		1.7	1.1	1.2	1.9	.4	.1					6.2	13.5
VARBL													
CALM												3.1	
	6.7	24.4	35.3	24.4	7.2	2.7	.3					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 747

GENERAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WILL ROGERS IAP OK

73-81

FE

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

HOURLY

CONDITION

SPEED KNTL DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.1	4.9	7.4	3.1	1.3	.3					15.9	13.2
NNE	.1	.1	1.5	1.8	.4	.3						4.3	11.0
NE	.1	.1	1.5	1.1	.1	.1						3.4	7.8
ENE	.1	.4	1.1	.3	.1							1.9	7.7
E	.1	.1	1.2	.6								2.0	7.4
ESE	.1	.1	1.0	.5	.1							2.0	7.6
SE	.1	1.7	2.4	1.2	.1	.1						5.5	8.3
SSE	.1	2.9	4.2	3.9	.6	.1						11.9	9.7
S	.3	3.0	5.5	5.9	1.9	.3						15.9	11.4
SSW	.1	.1	1.3	1.3	.8	.1	.1					4.0	11.5
SW	.1	1.1	1.2	.7	.2	.1	.1					3.3	7.3
WSW	.1	.1	.8	.3	.1	.1						1.4	8.7
W	.1	.7	.7	.4	.3	.1						2.4	9.9
WNW	.1	.4	.7	.5	.1	.1						2.1	10.1
NW	.1	.1	1.2	1.6	1.0	.4	.2					5.4	13.2
NNW	.1	1.2	2.1	3.1	2.3	1.1	.3	.1				10.1	14.4
VARBL													
CALM												2.3	
	1.9	18.0	31.4	30.6	11.2	3.6	.8	.7				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

5,711

USAF CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK YEARS 73-81 MONTH MAY
STATION NAME ALL WEATHER CLASS 100-1200
CONDITION HOURLY (LST)

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.4	4.0	5.2	2.7	.5						14.4	12.5
NNE		.7	1.0	1.5	.6							3.8	10.9
NE		1.7	1.5	1.0	.1							4.3	8.6
ENE	.3	1.0	1.0	.2	.4							2.8	8.7
E	.1	1.3	1.0	1.0	.2							3.6	9.1
ESE		1.1	1.2	1.0	.4							3.0	9.3
SE	.2	2.1	3.4	4.4	1.0	.2						11.3	10.7
SSE	.1	2.6	5.5	6.0	1.8							15.9	10.8
S	.2	3.3	5.2	5.0	3.0	.2						17.1	11.3
SSW	.2	.7	1.0	.2	.2							2.6	8.3
SW	.4	.5	.6	.1								1.7	5.7
WSW		.5		.1								.0	6.4
W	.2	.7	.1	.5	.6							2.2	10.8
WNW	.4	.5	.4	.4	.5							2.1	10.1
NW		.4	1.3	1.1	1.1	.5	.4					4.7	14.6
NNW	.2	.6	1.0	2.4	1.2	1.1	.2					5.3	14.8
VARBL													
CALM												2.5	
	2.4	19.8	28.1	31.0	13.9	2.6	.6					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 12775 WILL ROGERS IAP OK

73-81

MAC
MONTH

ALL WEATHER

CLASS

300-500
HOURS PER YEAR

CONDITION

SPEED KNOTS OR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.1	3.7	4.7	3.4	1.7						15.3	12.8
NNE	.1	1.7	.7	1.6	.1							3.9	9.9
NE		1.1	1.0	1.6								3.7	8.9
ENE		1.0	1.1	.4	.1							2.5	6.3
E		.7	1.1	.5	.2							2.6	5.3
ESE		1.1	1.3	.5	.2							3.2	5.7
SE	.4	2.7	3.3	2.5	.4	.4						9.6	9.4
SSE		2.3	4.4	6.1	1.5							14.3	11.1
S	.2	3.3	5.8	7.8	2.2	.2						19.4	11.2
SSW		1.2	.6	1.6	.4							3.6	10.0
SW	.4	.6	.9	.5								2.3	7.3
WSW	.2	.5	.4	.4								1.5	7.6
W	.1	.5	1.0	.2	.1	.4						2.3	11.2
WNW	.1	.4	.4	.6	.4	.2						2.1	12.0
NW		1.5	1.3	1.0	1.3	.2	.5					5.9	13.2
NNW		.9	.2	1.8	1.6	.4	.1					5.7	14.7
VARBL													
CALM												2.5	
	1.8	21.7	27.5	32.0	11.6	2.9	.6					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL ROGERS IAP OK YEARS 73-81 MAP NORTH 2600-2600
CLASS ALL WEATHER HOURS (LST)
CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.8	4.6	4.3	3.9	1.1	.1					15.6	13.5
NNE	.1	.4	.7	1.0								2.7	5.5
NE	.2	1.1	1.6	1.2								4.1	6.7
ENE		.5	1.2	.5								2.2	5.7
E	.2	.7	.7	1.2	.2							3.1	9.9
ESE	.1	.5	.7	.8	.2							2.5	10.2
SE	.1	1.7	4.1	2.4	.5	.1						8.9	9.5
SSE		2.1	4.3	4.1	1.7	.2						12.4	11.1
S	.1	1.7	6.5	7.8	1.2	.5						17.9	11.6
SSW	.1	1.0	.8	1.6	.6							4.1	11.7
SW	.2	.7	1.4	1.1	.2							3.7	9.3
WSW	.2	.2	.4	.2	.1							1.2	6.5
W	.2	.5	.5	.2	.1	.1						1.8	6.7
WNW		.8	1.1	.5	.1	.2						2.7	10.0
NW	.1	1.2	1.2	1.4	1.6	.7	.2	.1				5.6	14.0
NNW		1.3	.8	1.6	2.7	.8						7.2	14.6
VARBL												3.3	
CALM													
	1.9	15.6	31.6	32.0	13.1	3.9	.4	.1				120.7	11.1

TOTAL NUMBER OF OBSERVATIONS 629

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
STATION NAME

WILL ROGERS IAP OK

STATION NAME

77-81

YEARS

ALL WEATHER
CLASS

MONTH

7-11-77
HOURS LST

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		•	2.6	5.3	3.7	•5						14.4	14.4
NNE	•	•	1.3	•4	•1							2.2	4.7
NE		•	1.2	1.1								2.6	10.4
NNE		•	•7	1.2	•1							2.9	10.1
E	•1	1.2	1.2	1.2	•1							3.7	9.3
ESE	•1		•7	1.8	•1	•1						2.7	10.8
SE	•1	•	1.5	1.3	•9	•4	•2					7.3	13.3
ESE		•	•7	•2	1.6	•4		•1				9.6	13.5
S	•1		3.9	•4	6.7	1.2						20.2	14.6
SSW		•	1.6	2.6	2.3	•4	•2					7.4	14.5
SW		•	1.7	1.2	•7	•6						4.5	12.9
WSW		•	•6	•7	•1	•4						2.2	13.2
W		•	•2	•7	•1	•1	•1					1.6	14.4
WNW		•	1.6	•6	•6	•4						2.7	13.2
NW		•	•4	1.2	1.5	1.5						5.4	16.5
NNW		•	1.3	2.1	2.4	1.3	•2	•2				4.3	16.4
VARBL													
CALM												1.5	
	•7	9.5	2.9	33.7	20.2	7.3	•9	•4				100.0	13.6

TOTAL NUMBER OF OBSERVATIONS

520

FEDERAL CLIMATOLOGY BRANCH
WAFETAC
ALL WEATHER SERVICE/MAAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: WILL ROGERS IAP OK 73-81 YEARS: 1973-1981
CLASS: ALL WEATHER MONTH: 12-1-1973
CONDITION: 12-1-1973

SPEED KNOTS DIR	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N		1.4	1.3	7.5	4.7	1.7						15.2	14.4
NNE		.1	.5	.6								1.2	10.1
NF			1.1	.6								1.5	9.9
ENE	.1	.4	1.3	.5	.1							2.4	9.2
E		.7	.6	.5		.1						1.5	9.3
ESE		.6	.7	1.3	.6	.1						3.4	12.4
SE	.1	.2	1.8	2.5	1.6	.5						5.5	13.7
SSE	.2	.0	1.4	3.6	1.7	1.1						8.7	14.3
S	.1	.6	2.7	5.1	5.7	1.7	.1					15.9	15.4
SSW		.1	1.4	2.5	2.4	1.3	.4					6.2	12.7
SW		.4	1.1	2.4	1.2	1.3	.1					5.5	15.6
WSW	.1	.4	.8	1.1	.5	.5	.2					3.5	14.4
W		.4	1.0	.6	.5	.8						5.3	14.3
WNW	.1	.4	.8	.4	.4	.2	.1					2.4	12.7
NW		.4	1.2	2.1	2.2	1.3	.6					7.7	16.9
NNW	.1	.7	1.1	2.7	1.9	1.2	.1					7.3	15.2
VARBL												.2	
CALM													
	1.0	7.4	18.9	36.9	22.7	11.2	1.7					100.0	14.6

TOTAL NUMBER OF OBSERVATIONS

529

JOINT CHIEF OF STAFF
 JOINT STAFF
 WEATHER SERVICE/MAD

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS TAP CA 73-81 YEARS MAD MONTH 15.0-17.0 HOURS 1.0-1.1

ALL WEATHER
 CLASS

CONDITION

SPEED KNOTS OR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.1	3.0	5.1	3.9	.5						14.1	14.1
NNE	.1		.4	.5	.1							1.3	11.4
NE	.1		.7	.5								2.0	8.4
NNE	.1	.1	.4	.6								1.3	9.5
E	.1	.2	.7	1.3	.1							2.0	11.4
ESE	.1	.6	.6	1.8	.4							3.7	11.4
SE		1.0	2.0	3.3	1.8	.4	.1					5.5	13.1
SSE	.1	.2	2.7	4.6	1.6	.5	.4					10.2	13.8
S		.7	1.7	6.7	6.6	1.0						15.7	15.6
SSW		.6	1.0	2.0	2.1	1.2						6.5	15.7
SW	.1	.9	1.2	2.4	.4	1.3	.2	.1				6.5	15.1
WSW		.1	.6	1.1	.5	.9	.1					3.3	15.7
W		.4	.4	.7	.1	.4						2.0	13.5
WNW	.1	.4	.9	1.5	.7	.4	.1					4.0	14.1
NW		.3	1.0	1.5	1.7	1.5	.1					5.3	16.7
NNW		.5	1.2	4.0	2.3	1.5						9.5	15.7
VARBL												.7	
CALM													
#	1.3	7.1	18.4	39.1	22.3	9.8	1.1	.1				100.0	14.3

TOTAL NUMBER OF OBSERVATIONS

820

U.S. NAVAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: WILL ROGERS IAP OK CLASS: ALL WEATHER YEARS: 73-81 MAP NORTH: 1400-2000 HOURS: 1500-1500
CONDITION:

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.2	3.3	5.5	2.8	.7						15.3	12.2
NNE		.1	1.3	.5	.1							2.3	7.1
NW			1.9	.4								3.1	8.3
ENE	.1		.4	.5	.1							2.1	8.2
E	.1		1.1	1.4								3.4	7.2
ESE	.1	1.4	2.4	1.4	.5							6.2	9.7
SE		1.4	4.3	4.5	1.5	.2	.1					11.3	11.4
SSE	.1	1.4	4.2	5.9	1.7	.1	.1					13.5	11.6
S	.2	2.1	3.3	5.4	1.3	.1						12.1	11.0
SSW			.7	1.4	.5							3.1	11.5
SW	.2		1.1	.6	.4							3.1	7.1
WSW		.3	.6	.8	.4	.1						2.5	10.7
W	.1	.6	1.7	.7	.4	.1						3.5	10.5
WNW	.1	.6	.6	1.3	.4							3.3	10.6
NW		.7	1.2	1.2	.6	.4						4.1	12.6
NNW			2.3	1.6	.7	1.3						6.6	13.5
VARBL													
CALM												.5	
	1.5	15.2	33.2	34.4	10.4	3.1	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

528

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.3	4.1	5.7	1.3	.6						1.3	12.7
NNE		.1	1.8	.7	.1							.7	8.7
NE	.1	1.7	1.6	.4	.2							.6	8.7
NNE	.1	1.1	.6	.8	.2							.2	8.9
E	.1	1.2	2.2	1.3	.2							.1	8.7
ESE		1.7	3.2	1.2	.1							.1	8.1
SE	.1	2.4	3.4	5.8	.8	.4						.1	11.3
SSE	.1	2.3	4.4	5.7	2.3	.1						.1	11.6
S	.2	2.7	2.7	4.2	1.5							.1	10.6
SSW	.1	.1	.7	.4	.2	.1						.2	9.7
SW		.1	.2	.1	.2							.1	8.7
WSW	.2	.1	.1	.4	.2							.1	8.4
W	.1	.1	.6	1.1	1.1	.1						.1	12.9
WNW	.4	1.1	.6	.5	.4	.2						.1	10.6
NW	.2	.7	1.3	.2	1.1	.1						.1	11.2
NNW	.1	.5	1.5	1.6	1.5	.4						.1	13.3
VARBL													
CALM													
	2.4	18.2	23.5	31.2	13.7	2.1						128.1	19.7

524

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

77-51

44

ALL LEADERS

Abstract

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

7546

[illegible]

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

DIR	1-3	4-6	7-11	12-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.	.	1.7	2.5	.	.	.	.	.	.	.	6.1	12.5
NNE	.	.	1.7	2.5	.	.	.	.	.	.	.	5.7	11.2
NE	.	.	1.7	2.1	.1	.	.	.	.	.	.	5.3	9.4
NNE	.	.	1.7	.5	.1	.	.	.	.	.	.	5.7	5.7
E	.	.	.5	.4	.1	.	.	.	.	.	.	1.9	5.9
ESE	.	.	.4	.	.	.	.	.	.	.	.	1.3	1.7
SE	.	1.	.1	1.4	1.1	.	.	.	.	.	.	12.4	5.7
SSE	.	7.4	7.4	7.7	7.7	.	.	.	.	.	.	22.4	11.1
S	.	2.7	.1	1.	.	.	.	.	.	.	.	12.4	11.5
SSW7	.	.	.	.	.	.	.	2.4	7.7
SW1	.	.	.	.	.	.	.	5.7	8.4
WSW	.	.	.1	.1	.	.	.	.	.	.	.	1.5	7.5
W	.	.	.1	.1	.	.	.	.	.	.	.	1.1	5.2
WSW	.	1.5	1.5	.1	.	.	.	.	.	.	.	3.5	5.1
NW	.	1.	1.5	1.1	1.	.	.	.	.	.	.	7.5	11.4
NNW	.	.	1.7	1.7	.7	5.3	11.4
VARBL
ALM	2.5	.
	1.7	1.7	1.7	32.5	9.7	1.7	122.5	12.3

TOTAL NUMBER OF OBSERVATIONS	729
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[illegible]

NATIONAL METEOROLOGICAL SERVICE

METEOROLOGICAL SERVICE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL HOBBS RAP ID#

17-81

YEARS

AREA
NORTH

ALL WEATHER
CLASS

187-187
HOURS PER YEAR

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.4	1.7	3.7	.6	.7						7.4	11.3
NNE			.3	1.7	.4							2.4	12.0
NNE			1.5	.9	.1							3.4	9.5
ENE		.3	.3	.5	.1							1.2	9.3
E		.3	.3	.9								2.0	9.4
ESE	.1	.3	1.7	.6								3.1	8.4
SE	.1	2.1	4.2	2.2	.4							4.3	9.1
SSE	.1	4.3	7.4	7.7	1.7	.1						21.1	13.3
S	.1	3.1	5.1	6.6	4.7							33.1	12.0
SSW		1.3	.4	.4	.1	.1						2.3	8.0
SW	.3	1.3	1.0	.6								3.1	7.5
WSW		.3	.5									1.1	8.0
W	.3	.3	1.7	.5								2.5	7.6
WNW	.1	.3	1.4	.4	.3							2.9	9.7
NW	.1	1.1	2.4	1.5	1.3	.4						7.2	11.5
NNW	.1	.3	.9	2.0	1.0	.5						5.4	13.3
VARBL												5.3	
CALM													
	.2	2.1	32.2	29.9	11.7	1.4						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

783

AREAS: 1 PM 1.04

CLIMATE CLIMATOLOGY BRANCH
WAFS/TAC
U.S. WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: WILLOW, IAP OK YEAR: 73-84
CLASS: ALL WEATHER MONTH: 6-12-1973
CONDITION: HOURS: 1577

SPEED KNTS DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.0	2.1	3.5	.7							1.0	11.9
NNE		.0	.7	1.1	.2	.1						2.7	11.1
NE		.0	1.9	1.0								3.7	9.9
NNE		.0	1.0	1.0	.2							3.2	10.1
E		1.0	1.0	.9								2.9	8.9
ESE		.1	1.4	.5	.1	.1						2.2	10.6
SE		1.7	3.9	3.5	.4							9.5	10.1
SSE	.2	2.2	7.4	6.0	1.1	.1						17.1	10.6
S	.1	2.4	5.4	9.5	3.2	.1						27.7	12.1
SSW	.4	1.1	1.1	1.1	.5							4.2	9.4
SW	.4	.0	.9	.5		.1						1.7	8.1
WSW	.0	.6	1.4	.1		.1						2.4	5.1
W	.1	.0	1.1	.2								2.1	7.7
WNW		.0	1.2	.5								2.2	8.9
NW		.9	1.4	2.6	.7	.4						5.1	12.4
NNW		.4	1.2	2.6	1.2	.5	.1					5.1	14.4
VARBL												0.0	
CALM												0.0	
	1.7	15.2	33.4	36.7	8.6	1.6	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

672

2

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMPC/AFMPC
 AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: WILL ROGERS IAP OR 73-81 YEARS: APR NORTH
 CLASS: ALL WEATHER HOURS: 1100-1100
 CONDITION:

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	1.9	5.3	1.6	.4						1.7	13.5
NNE	.1	.4	.5	.9	.1							2.1	13.9
NE		.4	1.4	.8	.3							2.5	1.3
ENE			.4	1.4								3.3	13.8
E		.4	2.1	1.5								4.3	13.7
ESE		.7	1.4	1.0	.1	.1						3.4	13.7
SE	.1	.4	1.6	2.1	1.3	.1						5.4	12.9
SSE	.1	.1	1.6	7.3	2.3							11.5	13.7
S		.4	2.9	3.8	8.3	1.5	.1					22.2	15.7
SSW		.1	1.0	3.7	3.3	.5						6.7	15.7
SW			1.4	1.9	1.3	.1	.1					3.6	12.5
WSW		.1	.6	.5	.3	.1						1.3	11.5
W	.1	.2	1.6	.4		.1						3.3	9.0
WNW		.1	1.3	1.5	.5	.1						3.5	12.5
NW	.1	.4	.8	1.4	2.0	.4						5.4	14.1
NNW		.4	.5	2.8	2.7	.6	.3					7.2	16.5
VARBL												.1	
CALM												.1	
	.0	6.9	21.3	41.3	24.6	4.5	.5					100.0	13.7

TOTAL NUMBER OF OBSERVATIONS 792

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WILLOW RIVER
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS TAP OK STATION NAME 73-91 YEARS MONTH 1973-1974
 CLASS ALL WEATHER HOURS 1511
 CONDITION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	2.6	1.2	2.4	.5						13.1	13.9
NNE		.5	.5	1.0	.5	.1						2.9	12.3
NE	.1	.1	.5	.8	.1							1.5	13.3
ENE		.4	.4	.5	.1							1.5	13.2
E		.5	1.3	1.3								2.8	13.3
ESE		.3	1.6	.3								2.5	13.4
SE		1.5	2.9	3.3	1.6	.5						9.1	13.3
SSE		.4	2.6	5.7	3.2	.3						17.1	14.1
S		.4	2.1	7.6	9.7	2.3	.1					22.2	16.3
SSW	.1		1.1	2.0	2.5	.5	.1					5.5	16.1
SW		.4	1.1	1.6	.6	.5	.1					4.7	14.9
WSW		.1	.5	.9	.3	.3						2.1	13.3
W			1.3	1.1	.5							3.7	13.5
WNW		.1	.9	1.1	.8	.1						3.5	12.9
NW		.3	1.5	2.4	1.6	1.5						7.5	13.5
NNW		.5	1.1	1.6	2.0	.8						5.1	13.7
VARBL													
CALM												.5	
	.3	5.6	22.1	35.1	26.2	7.9	.4					100.0	14.1

TOTAL NUMBER OF OBSERVATIONS

793

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAD

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME WILL ROGERS IAP OK YEARS 73-81 MONTH APR
CLASS ALL WEATHER 1970-1979
HOURS (L & T)

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	2.0	5.3	1.5	.2	.1					10.3	13.6
NNE		.1	1.1	.9	.4							2.5	11.4
NE	.1	.1	.4	1.3	.3	.1						2.3	11.4
ENE		.1	.5	.6								1.3	10.5
E		.2	.5	.5	.7							2.3	10.1
ESE	.2	.5	.3	.8	.1	.1						2.1	10.1
SE		.1	3.1	4.1	1.8	.5						11.2	13.2
SSE		.1	2.9	8.9	4.5	.4						17.7	14.3
S	.1	.1	2.9	1.9	7.1	1.1	.1					14.4	15.5
SSW	.1	.4	1.1	2.4	1.1	.6	.1					1.7	14.7
SW		.1	1.1	1.8	.3	.5						3.6	13.2
WSW		.1	.5	.6	.4	.1						1.7	12.9
W		.1	.6	.9	.3							2.5	11.3
WNW		.4	.6	.5	.5	.6						2.5	13.8
NW		.4	1.8	1.6	1.8	1.5	.1					7.1	15.5
NNW	.1	.6	1.0	3.3	2.5	1.6						10.5	15.7
VARBL													
CALM												.4	
TOTAL	.4	5.9	20.7	41.5	22.9	7.4	.5					100.0	14.5

TOTAL NUMBER OF OBSERVATIONS

798

2

U. S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-10.1
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL ROGERS IAP OK STATION NUMBER 77-31 YEARS 1900-1977
 CLASS ALL WEATHER MONTH 1900-1977
 CONDITION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.9	4.2	4.9	1.9	.4						11.3	11.5
NNE	.3	.1	1.3	1.3	.4							3.9	9.2
NF		.1	.9	1.6	.1							3.4	10.0
ENE		.5	.9		.1							1.5	7.5
E	.1	.5	1.5	1.0	.1							3.5	9.3
ESE		1.1	1.8	.4	.1							3.4	7.7
SE	.1	1.4	5.5	4.4	1.6	.4						13.5	11.3
SSE	.1	2.1	6.2	10.1	2.4	.7						21.0	11.5
S	.1	1.4	3.9	5.9	2.4	.5						14.5	12.3
SSW	.1	.4	1.1	.6	.5	.4						3.1	12.5
SW	.3	.3	.6	.3		.3						1.5	10.5
WSW		.4	.4	.1	.1	.1						1.1	11.0
W		.1	.5		.1							.7	9.7
WNW		.1	.5	.4	.3							1.3	11.9
NW		.1	.9	2.3	.6	1.1	.3					5.9	14.5
NNW		.1	1.0	2.9	1.1	1.3						6.5	15.7
VARBL												1.4	
CALM													
	1.4	13.0	31.2	30.1	11.9	4.8	.3					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 02 75 WILL ROGERS IAP OK STATION NAME 73-81 YEARS APR MONTH 100-2500 HOURS (LST) ALL WEATHER CLASS CONDITION

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.9	1.9	2.5	1.3	.4						7.9	11.5
NNE		1.3	1.4	1.0	.3							3.9	9.7
NE	.3	.5	2.1	1.3	.1							4.3	9.3
ENE		1.5	1.0	.5	.1							3.3	8.7
E		.6	2.4	.8								4.7	8.4
ESE	.1	1.5	1.7	.5	.1	.1						3.4	9.7
SE	.1	3.3	6.2	5.7	.6	.3						18.1	9.7
SSE	.3	2.3	5.0	9.8	1.9	.4						19.6	11.9
S	.4	2.9	3.0	4.3	2.4	.1						13.1	11.3
SSW		.5	.6	.9		.1						2.4	8.9
SW	.1	.4	.8	.5	.1							1.7	9.3
WSW	.1	.3	.4	.3	.1							1.1	9.7
W		.1	.3									.4	6.7
WNW		.8	.8	.1	.3							1.9	8.7
NW		1.9	1.1	1.6	1.1	.5	.1					5.5	12.3
NNW		.5	2.4	1.9	.8	.1	.1					5.9	11.9
VARBL													
CALM												2.1	
	1.5	23.7	32.4	31.6	9.2	2.1	.3					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 794

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
U.S. WEATHER SERVICE/HAD

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION
STATION NAME

WILL ROBERTS IAP OK

73-81

YEARS

ADP
MONTH

ALL WEATHER
CLASS

ALL
HOURS U.S.T.

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.1	2.2	4.3	1.4	.4	.	.	.	.	.	9.4	12.5
NNE	.0	.3	.9	1.2	.4	.2	.	.	.	.	.	3.1	11.1
NE	.1	.3	1.3	1.1	.1	.	.	.	.	.	.	3.1	9.5
ENE	.	.2	.8	.7	.1	.	.	.	.	.	.	2.2	9.3
E	.1	.5	1.3	.9	.1	.	.	.	.	.	.	3.0	9.3
ESE	.1	.7	1.4	.6	.1	.1	.	.	.	.	.	3.0	9.9
SE	.1	1.3	4.2	3.6	1.2	.8	.	.	.	.	.	11.1	13.9
SSE	.1	2.1	5.1	4.0	2.5	.5	.	.	.	.	.	17.7	12.7
S	.1	1.6	3.6	7.3	5.7	.7	.0	.	.	.	.	18.0	13.0
SSW	.1	.5	.9	1.4	1.7	.3	.7	.	.	.	.	4.5	13.7
SW	.2	.5	1.0	1.0	.3	.2	.7	.	.	.	.	3.2	11.3
WSW	.1	.3	.7	.3	.1	.1	.	.	.	.	.	1.0	10.2
W	.1	.5	.8	.4	.1	.7	.	.	.	.	.	2.7	9.1
WNW	.1	.5	1.7	.6	.3	.1	.	.	.	.	.	2.5	10.8
NW	.1	1.0	1.6	1.9	1.4	.8	.1	.	.	.	.	6.7	13.5
NNW	.1	.5	1.2	2.3	1.5	.6	.1	.	.	.	.	6.4	14.4
VARBL												1.5	
CALM												1.5	
	1.4	13.4	28.1	35.8	15.5	3.9	.3					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

4345

FEDERAL CLIMATOLOGY BRANCH
 WAFBETAC
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION
 NAME

WILL ROGERS IAP OK

STATION NAME

73-81

YEARS

MONTH

ALL WEATHER

CLASS

000-1200
 HOURS (G.M.T.)

CONDITION

SPEED KNOTS M.P.H.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.1	2.7	1.5	.5	.1						7.5	9.0
NNE		1.0	1.4	1.0	.4							5.7	9.8
NW	.0		2.9	.6	.1							4.5	5.4
ENE	.1	.7	.9	.6	.1							2.5	5.5
E	.1	1.2	1.4	.7								3.4	5.1
ESE		.9	2.7	1.6								5.2	9.4
SE	.1	5.3	5.3	3.1	.1							15.9	5.3
SSE	.1	3.7	7.9	7.1	.2							19.7	9.6
S	.4	3.7	6.6	4.8	1.0							18.7	9.5
SSW		.9	.5	.1								1.5	5.8
SW	.1	1.1	.4	.5								2.1	7.4
WSW	.0	.2	.1	.1	.1		.1					1.0	10.3
W	.4	.7	.5		.1							1.5	6.4
WNW	.1	1.0	1.1	.2	.1	.1						2.7	7.9
NW		1.7	1.8	1.1	.1	.4	.1					5.3	9.9
NNW	.1	1.4	.5	1.5	.5	.1						4.1	10.5
CALM												5.3	
	1.5	25.4	36.6	24.6	3.6	.7	.2					100	8.5

TOTAL NUMBER OF OBSERVATIONS

514

REMARKS: 1. AM 1.00-1.04 PREVIOUS EDITIONS IF THEY EXIST ARE DELETED

FEDERAL CLIMATOLOGY BRANCH
WILLYS
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK
STATION NAME

73-81

YEARS

4 MAY
MONTH

ALL WEATHER
CLASS

1700-1800
HOURS U.S.T.

CONDITION

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.1	3.3	2.5	.1							5.5	5.4
NNE		1.1	1.7	.7								2.5	5.2
NE		.7	2.2	1.5		.1						4.7	9.1
NNE		.7	1.7	.5								3.5	7.0
E	.4	1.1	1.2	.5								3.5	7.8
ESE		1.5	1.4	.7								3.5	7.7
SE	.1	4.7	3.2	2.7	.2	.1						7.9	8.1
SSE		4.0	7.8	6.5	.1							14.7	9.5
S	.7	4.3	5.6	7.4	.5							19.1	10.5
SSW	.1	1.4	.7	.5	.1							2.5	7.5
SW		.7	.4	.4								1.5	7.4
WSW	.1	.5	.2									.9	5.4
W	.5	1.0	.5	.1								2.2	5.4
WNW	.4	1.5	1.1	.4								3.3	6.5
NW	.4	1.1	2.2	1.5	.4	.1						5.9	6.7
NNW		1.5	1.6	1.7	.7							5.7	10.0
VARBL													
CALM												4.7	
	7.1	29.0	35.5	26.9	2.2	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

529

UNAPPORTIONED WIND SPEEDS ARE BASED ON THE FOLLOWING SCALE:

U.S. NAVAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 U.S. WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK

73-51

YEARS

MAX

MIN

MEAN

STDEV

ALL WEATHER

CLASS

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	64-71	72-79	80-87	88-95	96-103	MEAN WIND SPEED
N		1.2	2.4	5.8	.7	.1								2.1	10.7		
NNE	.1	.7	.7	.7	.4	.1								2.2	10.7		
NE		.7	1.7	1.3	.1									1.8	9.7		
ENE		.7	2.3	1.7	.1									4.1	10.7		
E	.4	.7	2.3	1.7										4.4	8.4		
ESE		.7	1.5	1.7										1.1	8.9		
SE	.4	3.4	3.9	1.8	.7									4.7	7.7		
SSE	.5	1.7	6.4	4.1	.7	.1								13.7	10.7		
S	.7	3.4	5.8	11.6	1.5									12.9	11.1		
SSW	.2	.5	.8	.7										2.4	8.4		
SW	.4	1.1	.2	.6										2.3	7.7		
WSW	.2	.4	.2	.1										1.0	8.7		
W		.7	.7	.2	.1									1.5	8.8		
WWW	.1	1.0	.8	.6										2.5	8.7		
NW	.7	1.1	1.7	1.3	1.1									3.4	10.6		
NNW	.2	1.0	2.9	1.8	.6									7.4	9.7		
VARR														3.5			
CALM														3.5			
TOTAL	2.1	10.7	34.5	31.7	5.9	.4								100.1	9.4		

TOTAL NUMBER OF OBSERVATIONS

575

APPROXIMATE WIND SPEED SCALE (KNOTS) FOR REFERENCE ONLY

NATIONAL CLIMATOLOGY BRANCH
F TAC
METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

WILLIAMS RIVER TAP OF
STATION NAME

ALL WEATHER
CLASS

YEARS

YEAR
MONTH

1977-1978
PERIOD

LOCATION

SPEED KNOTS PER HOUR	0-4	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.1	1.7	5.2	4.6	1.2	.1	.1					3.7	11.4
NNE			1.4	.8	.1							3.6	7.6
NE		.6	.7	1.2	.8	.1						3.4	12.7
ENE		1.0	.6	1.5		.1						3.4	7.5
E			1.4	.7								3.5	7.1
ESE	.1		2.5	1.7	.1							5.7	9.9
SE	.1	1.1	5.7	2.2	.5	.1						7.4	9.7
SSE	.1	1.2	2.7	3.9	.7							11.1	11.3
S	.1	1.1	4.4	12.7	5.5	.2						24.1	13.5
SSW	.2	.4	1.2	2.1	1.7	.4						8.3	13.1
SW			1.1	1.6	.9	.1						7.1	12.3
WSW			.5	.6	.1							.1	12.9
W			.1	.2								.1	7.8
WNW			1.2	.4		.1	.1					3.1	10.6
NW		.4	1.2	1.4	.7	.4						4.1	13.2
NNW	.1	1.0	1.6	2.5	1.1	.5						6.7	12.1
VARBL													
CALM												1.2	
	1.0	12.1	25.3	41.2	13.7	2.5	.2					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

512

REMARKS: FROM 1977-1978 PREVIOUS RECORDS FROM 1977-1978

GENERAL CLIMATOLOGY BRANCH
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: WILLIAMS IAP 04
 DATE: 1-1-51

ALL WEATHER
 CLASS

42V
 MONTH

1-1-51
 1-1-51

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	25+	MEAN WIND SPEED
N	.2	.4	1.5	4.2	1.1	.2						1.1
NNE		.4	2.2	1.3	.1							1.1
NE	.1	.7	1.8	.7								.7
ENE	.1	.7	1.7	1.0	.2							.7
E	.1	.7	1.3	2.1	.3							.7
ESE	.1	.7	1.2	1.5								.7
SE	.1	.7	3.2	4.1	.4							1.1
SSE		1.1	2.4	1.3	1.5	.1						1.4
S	.1	1.2	1.2	10.6	5.1	.2						1.7
SSE	.1	.7	1.3	2.1	1.2	.2						1.4
SSW	.1	.7	.8	1.3	.2	.4						.4
SW	.1	.7	.6	.3	.1	.2						.4
WSW	.1	.7	.6	.6	.4			.1				.4
W	.1	.7	1.1	.1			.1	.1				.4
WNW		.7	1.1	1.3	1.1	.2						.4
NW		.7	1.1	2.3	1.2	.1						.4
VAR												
ALL												
	1.7	11.1	27.6	44.2	12.6	1.1	.1	.2			120.0	1.4

TOTAL NUMBER OF OBSERVATIONS

120

STATION: WILLIAMS IAP 04
 DATE: 1-1-51

U.S. METEOROLOGICAL BRANCH
U.S. NAVY
U.S. AIR FORCE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

WILLIAMS, IAP, AK
STATION NUMBER

77-51

YEARS

DAY
MONTH

ALL WEATHER
CLASS

1950-1951
HOURS OF

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.2	4.1	5.0	.4	.1						11.5	5.9
NNE		1.2	2.3	1.5	.2							5.1	7.7
NE	.1	1.1	2.2	1.1	.5	.1						5.1	9.5
ENE	.1	.7	1.2	.5								1.1	7.5
E	.1	1.1	4.5	1.8	.1	.1						5.2	7.1
ESE	.7	2.1	3.7	1.2	.1							5.7	6.4
SE	.4	2.1	5.2	5.4	.2							14.5	9.5
SSE		2.1	7.3	5.2	1.5							19.2	11.1
S	.7	2.7	4.4	3.9	.7							11.5	10.2
SSE		.1	.5	.2								1.5	5.4
SSE	.1	.4	.2	.1								.3	6.5
SSE	.1	.1	.2		.2							1.5	5.5
SSE		.1	.4	.4		.1						1.5	9.1
SSE	.1	.1	.2	.2	.1		.1					1.5	11.3
SSE	.1	.1	.7	.7	.2	.4						3.7	11.1
SSE	.7	1.7	.5	1.3	.7	.1						3.5	11.5
VARBL												6.7	
CALM												100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

527

CLIMATE CLIMATOLOGY BRANCH
 AFM
 AFM WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WILL ROGERS LAP OF 77-51 YEARS MONTH 1970-2010
 CLASS ALL WEATHER
 CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.7	2.4	1.5	.7	.1						5.1	7.1
NNE	.1	.1	1.0	.9								2.8	4.5
NE	.1	1.2	3.1	1.0	.2							4.8	8.4
ENE	.2	.3	1.5	.4	.1							3.1	7.2
E	.7	1.8	3.9	1.1	.1							7.7	8.1
ESE	.6	2.1	3.5	1.5	.1							7.8	5.1
SE	.2	3.5	7.8	3.8	.2							15.5	5.7
SSE	.1	4.1	5.5	5.6	.7		.1					22.2	10.2
S	.7	2.3	4.1	4.7	.5		.1					11.3	10.0
SSW	.1	.4	.1									.7	5.5
SW	.7	.1	.1	.1	.1							1.5	6.1
WSW		.4										.4	4.3
W			.1	.1	.1							.7	9.5
WNW	.7	1.1	.5		.1	.1						2.2	5.9
VW		1.7	.8		.4	.4						1.7	10.3
NNW		1.5	1.2	1.3	.6	.1						4.5	10.4
VARBL													
CAIM												5.1	
#	5.7	25.3	35.6	24.2	4.3	.7	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

321

12. CLIMATOLOGY BRANCH
 13. CLASSTAC
 14. WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME WILL ROGERS IAP OK STATION NAME 73-81 YEARS MONTH MAY
 CLASS ALL WEATHER
 CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.5	3.5	7.6	.8	.1						12.3	10.5
NNE	.7	.7	1.4	1.2	.5	.7						3.6	7.5
NE	.1	.5	1.9	1.1	.2	.7						4.1	7.5
ENE	.1	.7	1.2	.8	.1	.5						3.1	7.7
E	.2	1.1	2.2	1.2	.1	.3						4.3	5.9
ESE	.3	1.2	2.2	1.4	.3	.5						5.7	5.5
SE	.2	2.7	4.5	3.5	.3	.5						11.5	7.4
SSE	.4	2.4	5.5	7.4	1.9	.5	.2					16.6	10.3
S	.1	2.4	4.8	5.5	2.2	.1	.2					15.3	11.7
SSW	.2	.6	.8	.9	.4	.1						2.3	10.7
SW	.1	.2	.6	.7	.2	.1						2.3	7.8
WSW	.1	.4	.2	.3	.2	.1	.2					1.3	10.4
W	.1	.2	.5	.3	.1	.3	.5	.7				1.5	7.7
WNW	.2	.7	.8	.3	.1	.1	.5	.7				2.4	5.5
NW	.1	1.2	1.3	.9	.6	.3	.7					4.4	10.8
NNW	.1	1.2	1.4	1.6	.9	.2						5.4	11.3
VARBL													
CALM													
	4.3	19.3	33.5	33.7	7.3	1.2	.2	.0				100.2	10.2

TOTAL NUMBER OF OBSERVATIONS

5553

U.S. AIR FORCE
 CLIMATE RESEARCH
 CENTER
 WILLOW GROVE, MISSOURI

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: WILLOW GROVE IAP OK STATION NUMBER: 73-81 YEARS: 1973-1981
 CLASS: ALL WEATHER
 CONDITION: NONE

SPEED KNOTS C.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.1	1.5	1.5	.1	.1						4.1	9.4
NNE		.1	.9	.4		.1						2.2	8.5
NE	.1	2.1	1.1	1.1	.1							4.4	8.4
NNE		.1	1.4	.1								2.4	8.7
E		2.1	1.6	.4								4.1	7.7
ESE		2.1	1.2	.4								5.1	8.8
SE	.4	5.2	6.5	1.5								13.7	7.6
SSE	.1	4.4	11.8	7.8								24.3	8.9
S	.1	3.7	6.7	12.3	1.6							25.0	10.5
SSW	.1	.3	.6	.5	.1							1.3	10.0
SW		.1	.7	.1								1.3	7.3
WSW		.1	.1									.3	8.3
W		.1	.4	.1								.5	8.6
WNW		.4	.1	.1								.5	7.0
NW	.1	.5	.4	.3								1.4	7.5
NNW		.5	.3	.5								1.6	7.8
VARBL													
CALM												4.2	
	1.0	25.4	30.5	25.8	2.0	.3						10.0	8.4

TOTAL NUMBER OF OBSERVATIONS 790

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION WILL ROGERS IAP OK STATION NAME 77-81 YEARS JUN MONTH
CLASS ALL WEATHER HOURS 700-1600 HOURS (LST)
CONDITION

SPEED KNOTS D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	1.7	.8	.1	.3						4.3	9.5
NNE		.8	1.1	.5								3.6	8.3
NE		1.7	1.1	.3								2.7	6.2
ENE		1.4	1.4	.4								3.3	7.2
E	.1	1.4	1.1	.8								3.4	7.7
ESE	.9	2.6	1.1	.1								3.3	6.6
SE	.6	5.5	4.7	.9								11.2	6.7
SSE	.4	4.6	12.9	4.9								23.0	6.4
S	.5	5.5	9.6	11.7	1.8	.1						25.7	10.3
SSW	.1	1.1	1.7	.8								3.1	5.2
SW		.8	.2	.3								1.8	7.8
WSW		.4	.1	.1								1.0	5.9
W		.3	.3	.3								.8	9.5
WNW		1.7	.3	.3								1.3	6.7
NW		.5	.4	.1								1.1	6.2
NNW		.5	.8	.5								1.8	6.3
VARBL												6.3	
CALM													
	2.2	25.9	38.4	22.0	1.9	.4						111.3	8.1

TOTAL NUMBER OF OBSERVATIONS 793

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WAFB
 2. WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS MONTH JUN
 CLASS ALL WEATHER HOURS 7500
 CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.0	2.4	.5								4.1	7.9
NNE	.1	.2	.7	.6		.1						4.3	9.3
NE		.4	1.8	1.3								5.1	7.4
ENE		.2	1.5	.5								2.5	5.4
E		1.1	1.5	.8								5.4	5.4
ESE		1.5	1.4	.4								3.4	5.9
SE	.2	3.4	4.9	.9	.1							9.5	7.3
SSE	.4	2.9	1.1	4.1	.5							16.3	7.1
S	.3	4.2	10.7	14.8	3.2							32.8	11.2
SSW	.4	1.7	1.7	2.3	.5							5.7	11.2
SW	.1	1.7	1.6	1.3								4.7	5.4
WSW		.3	.3	.4								.8	9.4
W		.4	.1	.1								.5	7.3
WNW	.1	.1	.7									1.3	5.5
NW		.2	1.1	.1								1.7	7.9
NNW	.1	1.0	.1	.9								2.1	5.1
VARBL													
CALM												4.1	
	7.0	21.2	39.2	29.2	4.4	.1						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 796

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS 004
MONTH 12-1-73
CLASS ALL WEATHER
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	2.3	1.4	.1							5.3	7.1
NNE		.5	1.4	1.9	.3							4.2	10.7
NE		1.3	1.6	.9								3.8	8.4
ENE	.1	.7	1.3	.4								2.4	8.3
E	.1	1.1	2.1	.9								4.3	8.4
ESE	.1	.9	2.1	1.3								4.4	8.9
SE	.3	.9	3.3	1.6	.3							5.3	9.3
SSE	.1	.3	4.7	5.8	1.6	.1						13.1	12.1
S	.1	1.3	7.1	13.9	6.2	.5						37.4	13.5
SSW		.7	1.1	5.4	2.8	.5						10.2	15.4
SW	.1	.3	1.0	1.1	.5							3.2	11.0
WSW		.4	.5	.5	.3							1.5	10.9
W		.9	.5	.5	.1							1.3	9.4
WNW		.4										.4	5.7
NW		.5	.4	.3								1.1	9.4
NNW		.4	.9		.1		.1					1.5	10.3
VARBL													
CALM												1.1	
	1.3	11.7	30.3	41.9	12.2	1.3	.1					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 792

USAF CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

0005 WILL POWERS TAP OK 73-81
STATION NAME STATION NUMBER YEAR
ALL WEATHER CLASS
JUN MONTH
1973-1977 YEARS

CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	2.1	1.6								4.4	7.4
NNE		.2	1.6	.9	.4							3.4	10.3
NE	.1	.1	2.8	.9	.1							4.5	8.7
ENE		1.1	1.1	.5								1.3	7.1
E	.1	1.1	2.3	.8	.4							3.7	9.0
ESE	.1	.4	2.7	1.8	.1							4.9	9.7
SE		.4	4.1	3.5								5.2	10.4
SSE		.4	3.5	4.9	1.9	.1						16.0	13.1
S		1.4	7.7	21.6	6.5	.1						37.6	13.3
SSW		.5	.9	2.9	.9	.1						5.3	12.9
SW		.1	.4	.8	.1							1.4	11.5
WSW	.1	.6	.4	.1								1.4	6.3
W		.1	.3	.1								.5	9.5
WNW		.4	.4	.1								.7	8.1
NW		.4	.5	.8								1.5	10.3
NNW		.1	.4	.6								1.1	7.9
VARBL													
CALM												.5	
	.3	10.1	30.7	46.9	10.4	.5						100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

785

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1954

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	1.4	.9		.1						1	7.0
NNE	.1	.1	2.2	1.2	.1							1.4	10.0
NE		1.2	1.7	.3								3.4	5.7
NNE	.4	1.	3.1	.5	.1							1.1	7.4
E	.2	2.	3.7	1.4								1.3	4.7
ESE	.2	2.	3.6	1.4	.1							2.4	5.1
SE	.1	2.2	7.7	3.9	.5							14.5	9.0
SSE	.4	2.4	11.2	12.1	.5							26.8	10.7
S		2.	7.4	12.3	2.	.1						21.4	11.7
SSW		.1	.6	.1								.7	4.1
SW		.2	.2	.2	.1							.7	1.7
WSW	.1											.1	3.1
W		.2	.1			.1						.3	4.3
WNW		.1										.1	5.
NW		.2	.5	.2	.1							1.1	10.6
NNW		.1	.5	.2	.5							1.1	11.7
VARBL													
CALM												1.1	
	10.7	15.3	42.4	35.4	3.9	.4	1					129.2	7.0

TOTAL NUMBER OF OBSERVATIONS 372

NATIONAL METEOROLOGICAL SERVICE
METEOROLOGICAL
ALL WEATHER SERVICE/MAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALL-WEATHER SERVICE/MAO

1981

TEARS

JUN

MONTH

ALL WEATHER

CLASS

17-0370

HOURS 157.1

CONDITION

WIND DIRECTION	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56 - 63	64 - 70	71 - 77	78 - 84	85 - 91	92 - 99	MEAN WIND SPEED
N		1.4	1.7	.1												1.4
NNE			1.6	1.1												1.4
NW	.1	1.7	1.6	.3	.1											1.4
ENE	.1	2.3	1.4	.3												1.4
E	.1	2.3	.3	.3	.2											1.4
ESE	.4	2.3	3.2	.9												1.4
SE	.4	2.3	4.0	2.8												1.4
SSE	.4	2.3	12.7	5.5	.4		.1									1.4
S	.4	2.3	6.2	5.8	.5	.1										1.4
SSW	.1	.7	.7	.7												1.4
SW		.7	.1	.5												1.4
WSW		.7	.1													1.4
W		.7	.4	.1												1.4
WNW		.7														1.4
NW		.7	.1	.5												1.4
NNW		.7	.1	.3												1.4
VARI																1.4
CALM																1.4
TOTAL	20.2	40.5	24.3	1.5	.1		.1									1.4

TOTAL NUMBER OF OBSERVATIONS

79

USARPA FORM 1-74

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	FILE	DATE	TIME	YEAR	MONTH
	400	11/14/53			
	CLASS				

WIND DIR.	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100	MEAN WIND SPEED
N	0.1	1.0	1.3	1.2	0.1	0.1								4.5	7.1						4.5
NNE	0.1		1.3	1.2	0.1	0.1								4.5	7.1						4.5
NNE	0.1	1.1	1.7	1.1	0.1									4.5	7.1						4.5
E	0.1	1.1	1.5	0.9	0.1									4.5	7.1						4.5
ESE	0.1	1.7		0.8	0.1									4.5	7.1						4.5
ESE	0.1	2.1	2.1	0.9	0.1									4.5	7.1						4.5
SE	0.1	3.0	5.3	2.1	0.1									4.5	7.1						4.5
SSE	0.4	2.1	5.7	2.1	0.1									4.5	7.1						4.5
S	0.1	3.0	5.3	14.3	3.4	0.1								4.5	7.1						4.5
SSW	0.1		1.1	2.4	1.1	0.1								4.5	7.1						4.5
SW	0.1		0.8	0.9	0.1	0.1								4.5	7.1						4.5
WSW	0.1	0.3	0.3	0.3	0.1	0.1								4.5	7.1						4.5
W	0.1		0.3	0.2	0.1	0.1								4.5	7.1						4.5
WNW	0.1	0.1	0.1	0.1	0.1	0.1								4.5	7.1						4.5
NW	0.1		0.1	0.3	0.1	0.1								4.5	7.1						4.5
NNW	0.1		0.5	0.4	0.1	0.1								4.5	7.1						4.5
VARBL														4.5	7.1						4.5
CALM														4.5	7.1						4.5
TOTAL	1.1	12.1	36.2	37.3	6.3	0.5	0.2	0.2						1.1	7.1						4.5

TOTAL NUMBER OF OBSERVATIONS

343

[illegible]

U.S. NAVAL METEOROLOGICAL SERVICE
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/NAVC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME
 WILL ROGERS, OK

71-51

YEARS

MONTH

CLASS

WINDS

DIRECTION

	4-7	8-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60	%	MEAN WIND SPEED
N	.1	.6	.2	.1							2.0	7.1
NE	.1	.1	.4								0.6	7.0
E		.1	.4								0.6	7.0
SE	.1	.5		.7							1.3	7.1
S	.1	.2	.5								0.8	6.9
SW	.1	.5									0.6	6.7
W	.1	.7	.1	1.3	.1						1.4	6.8
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
SW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1							1.1	7.0
NW	.1	.6	.5	.1							1.1	7.0
W	.1	.6	.5	.1								

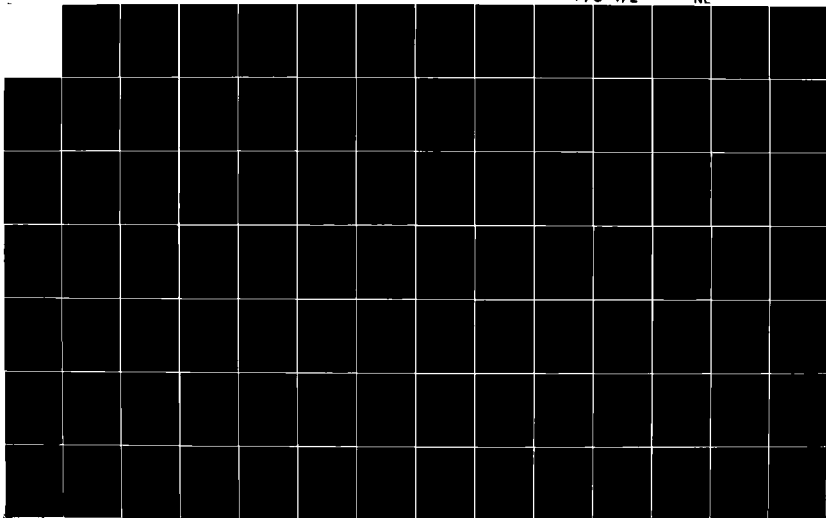
AD-A128 108

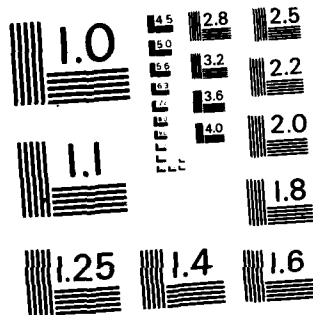
WILL ROGERS IAP OKLAHOMA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER...(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 27 OCT 82
USAFETAC/DS-82/057 SBI-AD-E850 357 F/G 4/2

26

UNCLASSIFIED

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS JUL
MONTH 0300-0500
HOURS (LST)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.9	1.6	.6	.2							5.4	7.5
NNE		.5	1.1	1.0								2.6	9.3
NE	.2	.5	1.0	.4	.1							2.2	8.1
ENE	.2	.9	.6	.1								1.8	6.5
E	.1	1.6	1.2	.2								3.2	6.5
ESE	.4	1.7	.9	.1								3.1	5.8
SE	.2	6.2	3.6	.9								10.8	6.5
SSE	.6	12.4	12.6	1.4								27.0	6.9
S	1.4	13.8	12.4	2.1								26.7	6.9
SSW	.2	1.6	.9	.6								3.3	7.3
SW	.1	1.5	.2	.1								2.3	5.6
WSW		.4	.1	.2								.7	8.8
W		.1		.1								.2	10.0
WNW	.1	.2	.4	.1								.9	7.3
NW	.1	.7	.4	.1								1.4	6.5
NNW		1.1	.6									1.7	6.5
VARBL													
CALM												6.9	
	3.9	43.1	37.6	8.1	.4							170.0	6.4

TOTAL NUMBER OF OBSERVATIONS 812

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725530 STATION WILL ROGERS IAP OK 73-81 YEARS JUL 1960-1960 MONTH 0600-2400 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	1.9	.2								4.3	7.0
NNE		.1	1.9	.7								2.8	9.3
NE	.2	1.1	1.3	.4								3.0	7.2
ENE		.1	1.1	.7								1.9	9.9
E	.2	1.3	1.1	.1								2.8	6.3
ESE	.1	2.4	1.0	.1								3.6	5.8
SE	.8	4.0	2.2	.7								7.7	6.4
SSE	.5	6.6	8.6	2.2								17.9	7.3
S	.7	10.0	17.6	6.6								35.7	8.2
SSW	.1	1.2	3.6	2.9	.2							8.1	9.8
SW	.2	1.2	1.0	.2								2.7	6.8
WSW	.2	.6	.4	.1								1.3	6.0
W		.5	.1	.1								.7	6.3
WNW	.1	.1		.1								.4	6.0
NW	.1	1.2	.6	.2								2.2	6.5
NNW	.1	.7	1.1	.2								2.2	7.8
VARBL													
CALM												3.9	
	4.0	32.7	43.4	15.8	.2							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 629

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724537
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.2	2.6	1.3								5.2	8.3
NNE		.5	1.2	1.1								2.8	9.3
NE		.6	1.2	.9	.2							2.9	9.6
ENE		.5	1.0	.6								2.1	9.1
E	.1	.4	1.2	.4								2.1	8.5
ESE		1.0	2.3	.4								3.7	7.7
SE	.2	1.5	2.2	.4								4.3	7.1
SSE	.2	1.3	3.4	1.6								6.6	8.5
S	.1	2.1	10.5	17.4	1.1							31.2	11.3
SSW	.1	2.2	3.9	13.9	1.1							21.2	12.1
SW	.1	.5	3.2	4.6	.4							8.8	11.2
WSW	.2	.5	1.8	.2								2.8	7.9
W	.1	.7	1.1									2.0	6.8
WNW	.1	.2	.6									1.0	6.9
NW		.5	.2									.7	6.2
NNW		.6	1.0	.5								2.1	6.7
VARBL													
CALM												.6	
	2.0	13.9	37.4	43.3	2.8							100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

820

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

720030
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) Dir	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	2.7	1.6								4.9	9.5
NNE	.1	.7	1.9	1.0								3.7	8.9
NE	.4	.2	1.1	1.1								2.8	9.2
ENE		.8	1.0	1.0								2.8	9.0
E	.2	1.1	2.3	.8	.1							4.6	8.7
ESE	.1	.8	2.4	.5	.1							4.0	8.5
SE	.2	1.8	2.9	1.2								6.1	8.1
SSE	.4	1.4	3.9	4.1								9.8	9.7
S	.1	2.2	13.0	22.8	1.2							36.3	11.8
SSW		1.7	3.3	7.8	.7							13.5	11.6
SW		.5	1.7	2.4	.2							4.8	11.0
WSW	.1		1.0	.2								1.3	9.1
W	.1	.4	.7									1.2	7.0
WNW		.6	.1									.7	5.5
NW			.5	.4								.8	10.4
NNW		.4	.7	.6								1.7	9.4
VARBL													
CALM												1.0	
	1.8	13.4	36.0	45.4	2.4							100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

830

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72753

WILL ROGERS IAP OK

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	2.3	1.0								4.7	8.9
NNE		.6	1.7	1.2								2.8	9.8
NE	.1	.5	.7	2.2			.1					3.6	10.6
ENE		.5	1.2	.9								2.6	9.2
E	.1	.9	1.9	1.1								4.0	8.8
ESE	.1	1.9	2.8	.9								5.7	7.9
SE	.1	2.2	4.1	4.1	.2							10.8	9.7
SSE		1.5	6.6	5.8								13.9	10.4
S		2.3	11.4	22.8	1.6							38.2	11.7
SSW		.5	1.7	4.1	.1							6.4	11.9
SW	.1	.6	.6	1.1								2.4	8.7
WSW		.4	.2									.6	5.4
W		.4	.1									.5	5.3
WNW		.2	.2									.5	6.5
NW		.4	.5	.2								1.1	8.2
NNW		.4	.5	.9	.1							1.8	10.2
VARBL													
CALM												1.1	
	.6	13.9	36.0	46.3	2.1		.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

823

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

723530
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	1.9	.7		.1						3.6	8.8
NNE		.2	1.5	.7	.2							2.7	10.3
NE	.1	.7	1.7	1.0								3.5	9.2
ENE	.1	1.2	1.6	.4								3.3	7.5
E	.2	1.9	1.7	.4								4.2	6.8
ESE	.2	3.9	3.9	1.1								9.1	7.4
SE	.2	5.8	8.6	2.1								16.7	8.0
SSE	.4	4.4	13.7	7.3	.2							25.9	9.1
S		3.5	11.9	9.5	.1							25.0	9.8
SSW	.1	.2	.1	.7								1.2	9.9
SW		.2	.1									.4	7.3
WSW	.1	.6										.7	4.8
W		.2		.1		.1						.5	11.8
WNW		.2		.1	.1							.5	9.8
NW		.7										.7	5.0
NNW		.6	.2	.1	.1	.1						1.2	9.8
VARBL													
CALM												.7	
	1.7	25.3	46.9	24.1	.8	.4						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

825

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

727537 STATION WILL ROGERS IAP OK 73-81 YEARS JUL MONTH
2100-2300 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	.7	.4	.1							2.7	7.4
NNE		.2	1.0	.5	.1							1.8	10.4
NE	.2	2.0	2.0	.4	.1							4.6	7.4
ENE	.1	1.2	1.2	.1								2.7	6.9
E	.6	3.8	1.2	.2								5.9	5.9
ESE	.2	6.0	3.7	.6								10.5	6.4
SE	.6	9.4	10.5	1.7								22.2	7.1
SSE	.4	8.1	15.8	3.7	.1							28.0	7.8
S	.2	4.4	7.9	2.0	.1							14.7	7.7
SSW	.1	.2	.2									.5	6.4
SW		.2	.2	.1	.1							.7	9.2
WSW		.2										.2	4.5
W		.2		.1								.4	7.0
WNW	.2		.2	.1								.6	7.0
NW		.1		.1								.2	9.0
NNW		.2	.1	.2								.6	9.0
VARBL													
CALM												3.5	
	3.1	37.6	44.8	10.3	.7							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 819

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

723530
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	1.8	.8	.1	.0						4.1	8.1
NNE	.0	.4	1.3	.8	.0							2.6	9.4
NE	.2	.9	1.4	.8	.1		.0					3.4	8.6
ENE	.1	.5	1.0	.5	.0							2.4	8.1
E	.2	1.7	1.5	.5	.0							3.9	7.2
ESE	.3	2.5	2.2	.5	.0							5.4	6.9
SE	.4	4.8	5.0	1.6	.1							11.9	7.4
SSE	.4	5.7	10.4	3.5	.1							20.0	8.1
S	.3	5.4	11.6	10.9	.5							28.8	9.7
SSW	.1	1.1	1.8	3.8	.3							7.1	11.1
SW	.1	.5	.9	1.1	.1							2.8	9.6
WSW	.1	.4	.4	.1								1.0	7.2
W	.1	.3	.3	.1		.0						.8	7.1
WNW	.1	.2	.2	.1	.0							.6	6.8
NW	.1	.5	.3	.2								1.0	7.0
NNW	.0	.6	.5	.3	.0	.0						1.5	8.7
VARBL													
CALM												2.7	
	2.6	27.3	40.7	25.3	1.3	.1	.0					100.3	8.4

TOTAL NUMBER OF OBSERVATIONS

6576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72753
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

AUS
MONTH

ALL WEATHER
CLASS

0000-2359
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	1.0	.5								3.0	7.6
NNE		.5	1.6	.4								2.4	8.6
NE		1.2	1.5	.6	.1							3.4	8.2
ENE		.9	1.2	.5	.1							2.7	8.5
E	.4	1.8	2.6	.2	.1							5.1	7.2
ESE	.2	3.6	1.5	.2								5.6	6.2
SE	1.2	10.6	5.2	1.6	.1							18.7	6.5
SSE	1.5	11.9	12.2	4.0	.1							29.7	7.4
S	1.1	7.8	7.7	3.3								19.8	7.5
SSW	.4	.7	.6	.1								1.8	6.1
SW	.5	.1										.6	3.0
WSW	.1	.1										.2	3.0
W	.2	.2										.5	3.8
WNW	.1	.2	.2	.1								.7	8.2
NW	.4	.5	.5		.1							1.5	6.3
NNW	.1	.2	.4	.1	.1							1.0	8.3
VARBL													
CALM												3.2	
	6.4	41.8	36.0	11.7	.9							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

822

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72-1801 WILL ROGERS IAP OK 73-81 408
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
337-2570
HOURS (LST)

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.4	2.3	.4	.1							3.4	5.8
NNE	.1	.9	1.2		.1							2.3	7.5
NE	.1	.9	1.1	.5								2.6	7.7
ENE	.1	.7	.6	.2								1.7	7.3
E	.1	1.5	1.5	.2								3.3	6.9
ESE	1.3	1.6	1.5	.5								4.9	5.9
SE	1.5	9.3	3.7	.9								15.4	5.9
SSE	2.8	12.2	11.9	1.1								28.3	6.5
S	1.5	8.3	11.2	3.7	.2	.1						25.1	7.9
SSW	.2	.7	.6	.1	.1							1.8	7.0
SW	.5	.6	.1	.1								1.3	5.5
WSW	.1	.1	.1									.4	5.7
W	.1	.2	.1									.5	4.5
WNW	.7	.2		.1								1.5	5.2
NW	.2	1.2	.5									2.3	5.1
NNW	.1	.5	.9	.1								1.7	7.0
VARBL													
CALM												4.2	
	10.0	39.5	37.7	7.9	.6	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

618

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

125537 WILL ROGERS IAP OK 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
AUG
MONTH
2600-2800
HOURS (LST)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	2.3	.5	.1							4.3	5.5
NNE	.2		.5	1.0								1.7	10.0
NE		.7	1.2	.4								2.3	6.4
ENE	.1	1.6	.6	.2								2.6	6.4
E	.4	1.2	1.6									3.2	6.7
ESE	.1	1.6	1.3									3.3	6.4
SE	1.2	6.6	3.6	.5								11.9	6.2
SSE	.9	3.1	10.4	2.8	.1							22.4	7.4
S	1.3	7.8	15.6	5.5	1.2							31.1	8.6
SSW	.2	1.6	1.9	1.3	.1							5.2	6.5
SW	.1	.5	.9									1.5	6.9
WSW		.5										.6	5.2
W		.2										.2	4.3
WNW	.2	.5	.6	.2								1.6	7.2
NW	.2	.5	.7	.1								1.6	6.5
NNW	.2	1.5	.6	.1								2.4	5.9
VARBL													
CALM												4.7	
	5.6	33.8	41.9	12.6	1.3							100.2	7.3

TOTAL NUMBER OF OBSERVATIONS 823

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
 2053

WILL ROGERS IAP OK

STATION NAME

73-81

YEARS

ALL WEATHER

CLASS

CONDITION

MO
 MONTH

007-1177

NO. 85 1 5 7

SPEED KNOTS C.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.5	1.2	.1							5.0	7.7
NNE	.1	.9	1.1	.6	.1							7.3	9.0
NE		.5	.7	.7								5.1	7.1
ENE		.0	1.2	.7								2.5	9.1
E		.5	1.1	.5								2.2	5.7
ESE	.4	.6	.9	.2								2.1	7.7
SE	.1	.6	3.3	1.2								5.2	8.5
SSE	.1	1.8	5.1	3.4	.1							10.6	9.3
S	.1	3.3	14.8	15.3	2.1	.1						37.2	11.0
SSW		.5	3.9	9.8	1.8	.2						15.5	12.4
SW		.5	2.4	2.7								5.6	10.0
WSW		1.1	1.0	.5	1							2.7	5.1
W		.4	.5									.9	5.5
WNW	.1	.5	.1	.4								1.2	7.3
NW	.4	1.0	.2	.4								1.9	5.4
NNW		.5	.5	.7								1.7	7.6
VARBL													
CALM												.5	
	1.3	14.7	38.3	39.4	4.4	.4						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

823

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72-83-1 WILL ROGERS IAP OK 73-81
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
12-14-83
MOSES LST

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	2.4	1.2	.2							5.3	5.7
NNE		.7	.9	1.7	.1							2.7	15.1
NE		.2	1.1	1.1	.1							3.2	7.7
ENE		.4	.6	.5								1.5	7.1
E		.9	1.2	.2								2.3	7.3
ESE	.2	.5	2.7	.5								3.7	8.3
SE	.1	1.4	3.8	.4								5.6	7.8
SSE	.1	2.2	6.5	3.3	.2							12.3	9.4
S	.1	2.3	12.1	15.6	2.1	.1						35.3	11.5
SSW		.9	3.3	9.7	.9	.1						14.2	12.3
SW	.1	1.7	1.8	3.2	.1							6.2	10.6
WSW	.1	.2	1.7	.6								2.7	8.4
W	.2	.5	.2		.1							1.1	7.7
WNW		.2	.1	.2								.5	9.0
NW		.5	.4	.2								1.1	7.7
NNW		.5	.4	1.0								1.5	9.9
VARBL												.7	
CALM													
	1.3	14.3	38.5	41.0	3.9	.2						100.7	10.3

TOTAL NUMBER OF OBSERVATIONS

819

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS AUG
CLASS ALL WEATHER MONTH 1500-1700
CONDITION NOISE (LST)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	2.6	1.0	.1							4.5	8.9
NNE		.6	.6	1.2								2.5	10.1
NE		.4	1.3	1.0								2.7	9.2
ENE	.1	.9	1.1	.4								2.5	7.7
E	.2	1.5	1.6	1.2								4.5	8.7
ESE	.1	1.3	1.8	.7								4.5	7.7
SE	.2	2.0	6.9	2.1	.1							11.3	8.5
SSE		1.5	7.2	6.5	.1							15.4	10.3
S	.5	2.1	13.2	20.1	2.0							37.9	11.2
SSW	.1	1.1	1.8	4.4	.4							7.7	11.6
SW		.7	1.2	.9	.2							3.1	9.7
WSW		.6	.4									1.0	6.5
W		.2	.1									.4	6.3
WNW		.2	.1	.2								.6	8.8
NW		.1	.4									.5	6.8
NNW	.1	.1	.6	.5								1.3	9.8
VARBL													
CALM												.6	
	1.6	13.6	41.1	40.2	2.9							100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 816

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72137
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.5	1.3	.1							3.4	10.1
NNE		.9	.9	1.1								2.8	7.4
NE		1.2	1.5	1.1	.2							4.0	9.3
ENE		1.7	1.3	1.0								3.3	8.5
E		1.2	2.2	1.3								4.8	8.8
ESE	.2	3.7	3.5	.4								7.2	7.1
SE	.5	6.2	11.0	2.8								20.6	7.7
SSE	1.1	4.6	11.6	5.6								22.9	8.5
S	.4	5.1	9.3	7.4	.6							22.8	9.3
SSW		.4	1.1	1.0								2.4	10.0
SW		.4	.7	.4								1.5	9.0
WSW		.4	.2									.5	8.0
W	.2	.1		.2								.6	7.8
WNW				.1		.1						.2	19.0
NW		.1	.4									.5	7.0
NNW		.2	.1	.1	.1							.6	11.2
VARBL													
CALM												1.8	
	2.6	25.3	45.2	23.9	1.1	.1						110.7	8.5

TOTAL NUMBER OF OBSERVATIONS

821

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 22533 WILL ROGERS IAP OK 73-81 AUG
STATION NAME YEARS MONTH
CLASS ALL WEATHER 2100-2300
CONDITION

SPEED KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	1.0	1.1	.2							3.2	9.8
NNE			2.1	.7	.1							2.9	10.7
NE	.1	1.7	1.1	.7								2.9	8.5
ENE	.1	1.2	1.7	.9								3.9	8.1
E	.4	1.7	3.8	.4								6.2	7.4
ESE	.7	3.9	3.1	.4								8.1	6.4
SE	1.3	12.8	9.8	1.5								25.4	6.5
SSE	.6	9.4	13.9	6.1	.1							27.1	8.1
S	.7	4.9	5.9	1.6								13.1	7.3
SSW		.5	.6	.1	.1							1.3	8.4
SW	.1	.2	.1		.1	.1						.7	11.2
WSW	.2	.1	.2	.1								.7	6.3
W	.4											.4	3.0
WNW			.1									.1	10.0
NW		.1				.1						.2	13.5
NNW		.4										.4	5.0
VARBL													
CALM												3.3	
	4.9	37.0	40.3	13.6	.7	.2						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 619

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

720330
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.T.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	1.8	.9	.1							3.8	9.0
NNE	.1	.5	1.1	.7	.1							2.5	9.5
NE	.1	.9	1.2	.8	.1							2.9	8.8
ENE	.1	.9	1.1	.5	.7							2.6	8.1
E	.2	1.2	1.9	.5	.7							3.9	7.7
ESE	.4	2.7	2.0	.4								4.8	6.8
SE	.8	6.2	5.9	1.4	.7							14.3	7.0
SSE	.9	6.5	9.5	4.1	.1							21.0	8.0
S	.7	5.3	11.2	9.5	1.7	.7						27.8	9.7
SSW	.1	.8	1.7	3.2	.4	.7						6.4	11.3
SW	.2	.5	.9	.9	.1	.7						2.6	9.6
WSW	.1	.4	.4	.2	.7							1.7	7.2
W	.2	.2	.1	.0	.0							.6	5.9
WNW	.2	.3	.2	.2		.7						.8	7.7
NW	.2	.5	.4	.1	.0	.7						1.2	6.5
NNW	.1	.5	.4	.3	.0							1.4	6.3
VARBL													
CALM												2.5	
	4.2	27.5	39.9	23.8	2.0	.1						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

6561

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72530 WILL ROGERS IAP OK 73-81 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1000-0200
HOURS (LST)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.3	3.0	3.1	.1							8.7	9.5
NNE	.1	.8	1.6	1.7	.3							3.8	9.3
NE	.3	2.7	1.9	.8								4.9	7.4
ENE	.1	1.3	1.5	.5								3.4	7.4
E	.5	2.1	1.3									3.9	5.9
ESE	1.0	2.9	.9									4.8	5.2
SE	.9	8.4	4.2	.3								13.7	5.9
SSE	1.9	8.3	8.7	3.1	.3							22.3	7.5
S	1.0	3.4	5.4	4.9	.5							15.2	9.2
SSW	.4	1.3	.4	.3	.1							2.4	6.6
SW	.4	.9	.1									1.4	4.9
WSW	.1	.3										.4	4.7
W	.1	.6										.8	4.2
WNW	.3	.5	.3									1.0	4.8
NW	.3	2.6	.4									3.3	5.2
NNW		1.4	1.0	.6	.1							3.1	6.3
VARBL												7.7	
CALM													
	7.4	39.0	30.6	14.6	1.4							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

795

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12153	WILL ROGERS IAP OK	73-81	SEP
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			3300-3500
CLASS			HOURS (LST)
CONDITION			

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.4	4.2	3.7	.3							11.1	9.3
NNE	.3	1.7	2.0	1.1								4.5	8.4
NE	.4	1.9	1.7	.4								4.3	6.9
ENE	.3	1.7	.8	.3								2.9	5.3
E	.8	2.3	.8	.1								3.9	5.4
ESE	.5	2.9	.8	.1								4.3	5.3
SE	1.7	7.8	3.2	.1								12.7	5.6
SSE	.4	7.3	8.9	1.3								17.8	7.2
S	1.1	5.7	5.1	6.4	.3							18.6	8.6
SSW	.5	1.3	.3	.5								2.5	5.9
SW	.5	.5	.3									1.3	4.5
WSW	.1	.4		.1								.5	5.8
W	.3	1.0	.1									1.4	4.5
WNW		1.0	.5	.1								1.7	6.5
NW	.1	1.7	1.1	.3		.1						3.3	7.3
NNW	.4	1.1	.8	.4								2.7	6.5
VARBL													
CALM												6.2	
	7.8	40.0	30.4	14.9	.5	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 785

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

723530
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPED (KNTS) Dir	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.8	4.3	4.0	.5	.1						13.1	9.3
NNE		.5	1.8	1.4								3.8	9.6
NE	.4	1.4	1.6	.9								4.3	7.8
ENE	.5	1.4	.6	.4								2.9	6.3
E	.4	1.9	.9									3.2	5.8
ESE	.4	2.3	.8	.4								3.9	6.1
SE	1.4	6.1	4.0	.3	.1							11.9	6.0
SSE	1.5	8.1	7.8	2.0	.3							19.7	7.2
S	1.2	5.2	7.2	6.3	.4							20.4	9.0
SSW	.7	.6	.5	.8								2.1	8.4
SW	.3	.5										.8	4.2
WSW		.3	.1									.4	6.3
W	.3	.3	.1									.6	4.8
WNW	.1	.5										.6	4.8
NW	.1	1.5	1.5		.3							3.8	7.2
NNW	.1	2.3	.6	.9		.7						4.2	6.5
VARBL													
CALM												4.8	
	7.3	36.7	32.0	17.3	1.5	.4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

791

SOUSAL CLIMATOLOGY BRANCH
USAFETAC
AT- WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

127-37
STATION

WILL ROGERS IAP 04
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1900-1100
HOURS (LST)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.5	3.7	5.9	.4							11.2	10.8
NNE	.1	.6	1.5	2.1								4.4	10.3
NE	.4	1.7	2.8	1.8	.1							6.0	6.8
ENE	.1	.4	1.9	.3								3.0	7.3
E		1.3	1.8	.6								3.7	7.9
ESE	.3	1.5	.9	.4								3.0	6.7
SE	.1	1.7	2.5	.6								5.2	7.3
SSE	.1	2.6	6.4	4.7	.1							14.0	9.5
S	.5	2.8	11.6	17.1	2.8	.1						27.1	11.1
SSW		1.3	2.4	2.6	1.0	.1						7.4	11.6
SW	.1	.8	1.9	.5	.3							3.4	6.0
WSW	.1	.6	.6	.3								1.6	7.5
W	.3	.5	.5	.1								1.4	6.5
WNW		.5	.4	.1								1.0	7.1
NW	.3	.6	1.3	.6	.3							3.0	6.2
NNW		.6	1.0	1.5	.6							3.8	11.5
VARBL													
CALM												.3	
	3.0	18.8	39.4	32.2	5.5	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12-13 SEP 73-81
STATION NAME: WILL ROGERS IAP OK YEARS: 1200-1400
CLASS: ALL WEATHER HOURS (LST):
CONDITION:

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.9	2.9	5.8	1.0							10.5	11.8
NNE		.5	1.6	2.5	.6							5.3	11.2
NE	.4	1.4	2.1	1.3	.5							5.6	9.1
ENE		2.5	1.5	.6	.3							4.9	8.5
E		1.6	1.8	.8		.1						4.3	8.4
ESE	.3	1.5	1.4	.4								3.5	6.8
SE	.1	1.4	3.6	1.0								6.5	8.1
SSE	.5	2.4	2.9	4.0	.8							10.5	10.1
S	.3	2.3	6.4	17.7	3.8	.4						25.7	11.9
SSW		.9	3.5	2.8	1.4	.3						8.3	11.7
SW	.1	.5	1.1	.5								2.4	8.4
WSW	.1	.6	.9	.5								2.1	8.3
W		.6	.8	.1								1.4	7.6
WNW		.6	.5									1.1	8.2
NW		.4	1.1	.1	.1							1.8	8.7
NNW	.1	.9	.6	1.6	.9	.1						4.3	12.2
VARBL													
CALM												1.3	
	1.9	19.3	34.8	32.6	9.3	.9						120.0	10.2

TOTAL NUMBER OF OBSERVATIONS

797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: WILL ROGERS IAP OK STATION NUMBER: 73-81 YEARS: SEP MONTH: 1900-1900
CLASS: ALL WEATHER
CONDITION:

SPEED KNOTS DIR	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.4	4.4	5.3	1.8	.3		.1				12.4	12.5
NNE	.4	.5	1.9	2.5								5.2	10.2
NE	.1	1.1	1.5	2.0	.3							5.1	2.5
ENE		1.3	1.7	.3								3.3	5.8
E	.4	2.4	2.5	.8	.1							5.2	7.5
ESE	.4	1.6	2.2	.6	.1							4.9	7.9
SE		2.4	5.2	2.3								9.9	8.7
SSE	.3	2.2	3.3	5.3	1.6	.1						14.8	11.3
S	.3	2.4	7.2	10.4	2.8							23.0	11.5
SSW	.1	.5	2.5	1.3	.1							4.7	9.4
SW	.1	.6	1.1	.8	.1							2.8	9.1
WSW	.3	.3	.4									.9	5.7
W		.5	.8	.3								1.5	6.7
WNW		.6	.8	.1								1.5	6.9
NW	.4	.3	.3	.1	.1							1.1	7.1
NNW	.1	.4	1.1	.8	.5	.1						3.7	11.4
VARBL													
CALM												1.5	
	2.9	18.1	36.5	32.8	7.6	.5		.1				100.1	12.5

TOTAL NUMBER OF OBSERVATIONS 790

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12137
STATION

WILL ROGERS IAP ON
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1973-2000
HOURS (LST)

CONDITION

SPEED KNTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.7	5.7	2.7	1.1	.2						12.5	10.1
NNE		.9	2.1	1.6								4.6	9.6
NE		2.2	2.1	.9								5.7	7.5
ENE	.5	2.7	1.1	.9								4.5	7.3
E	.2	4.9	2.2	1.4	.1							8.9	7.1
ESE	1.2	5.4	2.1	.4								9.1	6.0
SE	.4	5.7	5.2	2.4	.1							13.1	7.8
SSE	.4	4.7	7.5	6.0	.4							18.2	9.3
S	.5	4.6	4.2	3.4	.2							13.3	8.3
SSW	.1	1.5	.4	.2								2.2	6.2
SW	.1	.7	.1									.7	4.5
WSW	.1	.1	.2	.1								.5	6.4
W	.6	.4	.1									1.1	4.1
WNW	.1	.2	.1									.5	5.0
NW		.1										.1	6.3
NNW	.1	.4	.5	.2	.2							1.5	9.4
VARBL												3.5	
CALM													
	4.5	35.5	33.8	20.2	2.2	.2						120.3	7.8

TOTAL NUMBER OF OBSERVATIONS 801

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

WILL NUMBER IAP 0X
STATION NAME

73-81

2500

1. **Introduction**
 2. **Background**
 3. **Methodology**
 4. **Results**
 5. **Conclusion**
 6. **References**

ALL WEATHER

4 -
M.D. 1951 - 1952

CONCLUSION

WIND DIR	1-5	6-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.3	1.9	4.2	.7	.1	.3				11.1	13.4
NNE	.1	.7	1.8	1.7	.1						7.3	9.7
NE	.3	1.4	2.1	1.1	.1						5.4	5.7
ENE	.7	1.7	1.3	.4	.3						3.7	7.3
E	.4	2.6	1.8	.6	.7	.7					5.3	5.3
ESE	.6	3.1	1.4	.3	.3						5.3	5.7
SE	.4	5.1	4.3	.9	.5						11.1	5.7
SSE	.5	5.1	6.8	4.0	.5	.7					17.1	3.6
S	.7	3.3	6.4	5.7	1.3	.1					17.1	17.1
SSW	.2	1.1	1.3	1.1	.3	.7					4.3	9.7
SW	.2	.1	.6	.2	.7						1.3	7.3
WSW	.1	.4	.3	.1							.7	5.4
W	.7	.5	.3	.1							1.2	5.4
WNW	.1	.6	.3	.7							1.7	5.7
NW	.6	1.1	.7	.2	.1	.7					2.2	7.3
NNW	.1	1.1	.3	.8	.3	.1					3.1	9.7
VARR.											3.6	
CALM	.2	32.7	34.1	22.5	3.6	.3	.7				170.3	3.3

TOTAL NUMBER OF OBSERVATIONS

5348

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AL WEATHER SERVICE/MAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION WILL ROGERS IAP OK 73-81 OCT
STATION NAME YEARS MONTH
ALL WEATHER 000-1200
CLASS HOUR OF DAY
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.7	3.1	3.8	1.1	.2						17.5	11.9
NNE	.1	.4	1.1	1.1								2.7	9.7
NE		.5	1.3	.5	.4							2.7	13.2
ENE	.1	1.1	.7									2.0	6.1
E	.1	1.1	1.7	.1								2.3	6.5
ESE	.1	1.2	1.2	.6								3.2	7.8
SE	.5	5.1	3.9	2.6	.1	.2						12.6	7.9
SSE	.5	6.7	4.8	6.5	1.7	.2						24.5	9.0
S	.5	8.7	6.4	3.8	.6	.1						19.5	8.3
SSW	1.2	1.7	.6	.2		.1						3.7	6.3
SW	.5	1.1										1.5	4.5
WSW	.2	.4	.1	.1								.9	5.9
W	.1	.2										.4	3.3
WNW	.1	.6	.4	.1	.2	.1						1.5	9.2
NW	.2	1.2	.7	.2		.1						2.6	7.3
NNW	.2	1.3	1.3	1.6	.4	.2						5.1	10.2
VARBL													
CALM												4.4	
	2.0	32.4	31.7	21.3	3.7	1.5						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 617

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2137 WILL ROGERS IAP OK STATION NAME 73-81 YEARS OCT MONTH
ALL WEATHER CLASS 1800-0500 HOURS (L.S.T.)
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	4.3	2.3	1.5	.4	.1					11.3	11.4
NNE	.1	.7	1.2	1.5	.4	.1						3.3	11.7
NE	.1	.5	1.1	.5	.1							2.3	9.7
ENE		.1	.5									.6	7.4
E		.4	.9									1.2	7.4
ESE	.4	1.2	2.1	.5								4.2	7.4
SE	.7	5.1	3.4	2.3	.1	.5						12.1	8.5
SSE	.7	6.2	8.7	4.5	.6							20.8	8.5
S	.7	6.5	7.2	5.3	.6							20.3	8.6
SSW	.5	2.2	.7	.4	.1							4.0	6.3
SW	.5	.9	.5	.1	.2							2.2	7.2
WSW	.2	.4	.1	.1								.9	6.2
W	.7	.4	.1									1.2	4.0
WNW	.2	1.3	.5		.1							2.2	6.6
NW		1.7	1.5	.7	.1	.1						4.2	6.4
NNW	.4	1.7	2.6	.9	.2	.1	.1					6.0	6.8
VARBL													
CAIM												5.2	
	5.6	32.4	35.1	20.1	4.2	1.2	.2					110.7	8.4

TOTAL NUMBER OF OBSERVATIONS 817

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: WILL ROGERS IAP OK STATION NUMBER: 73-81 YEARS: 1950-1950
CLASS: ALL WEATHER MONTH: OCT
HOURS (LST): 1500-1500
CONDITION:

SPEED KTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.4	3.4	2.9	2.2	.5						11.5	11.7
NNE	.1		1.6	1.7	.6	.1						4.1	12.7
NE		.4	.7	.7	.1							1.9	9.5
ENE	.1	.4	.7	.1								1.3	6.9
E	.1	.7	.8									1.7	5.5
ESE	.1	.7	1.3	.1								2.3	7.2
SE	.1	4.4	4.9	2.3	.4	.2						12.3	5.7
SSE	.4	7.7	7.0	5.5	.5	.1						20.5	8.6
S	.1	7.8	8.6	3.5	1.5							22.5	8.3
SSW		1.2	1.5	.2	.2							2.7	8.2
SW	.4	1.1	.5	.1								2.1	6.2
WSW	.2	.7	.4									1.3	5.1
W		.5		.2								.8	7.4
WNW		.5	.4	.1		.1						1.1	9.1
NW	.1	1.3	2.5	1.1		.1						5.2	6.4
NNW	.5	1.1	2.3	1.8	.5	.1						6.3	9.9
VARBL													
CALM												7.3	
	5.4	50.3	36.2	20.5	5.9	1.3						100.2	8.7

TOTAL NUMBER OF OBSERVATIONS 824

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 37 WILL ROGERS IAP OK 73-81 OCT
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
907-1120
HOURS (LST)

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.0	2.1	4.3	1.0	.7						11.2	13.3
NNE		.2	1.1	2.5	.6	.5						4.9	13.4
NE		.4	1.2	.4	.1	.1						2.5	9.4
ENE		.7	.7	.4								1.9	7.9
E	.1	.2	1.5	.1								2.7	8.0
ESE		.2	1.4	.7								2.3	9.7
SE		.4	1.5	2.0	.5	.1						4.6	11.5
SSE	.2	.6	5.3	7.7	1.4	.1						15.3	11.9
S	.2	2.1	7.5	12.1	3.5	.9						26.2	12.4
SSW		1.1	3.7	3.1	1.4	.2						9.4	11.5
SW	.1	1.1	1.6	2.1	.4							5.3	10.3
WSW		.2	1.1	.2								1.5	8.8
W		.1	.9	.1								1.1	8.2
WNW	.1		1.5	.1	.2							1.5	9.8
NNW		.2	1.4	1.5	.2	.4						3.7	12.7
NNW	.1	1.2	1.1	1.9	.9	.4						5.6	11.9
VARBL													
CALM												.9	
	1.1	10.0	33.3	39.2	12.1	3.5						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

639

2

JOURNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

2013 WILL ROGERS IAP OR
STATION

STATION NAME

77-81

YEARS

201

MONTH

ALL WEATHER

CLASS

12-14-20

HOURS 1877

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	2.7	5.7	3.4	.2						12.8	13.3
NNE		.4	.9	2.7	.6	.1						4.5	13.1
NE	.1	.7	1.3	1.1	.1							3.4	9.4
ENE		.7	.7									1.5	6.6
E		.2	.6									.9	7.1
ESE	.1	1.0	1.7	.6								2.7	8.1
SE	.1	.4	2.3	1.8	.6							5.5	10.9
SSE		.4	2.1	6.1	1.5							17.2	13.2
S	.4	1.3	6.1	13.8	4.9	1.3						27.6	13.4
SSW	.1	.5	2.2	5.7	1.2	.1						9.9	12.5
SW	.1	.5	1.8	3.2	.4							6.1	11.4
WSW		.1	.7	.6	.5							1.9	12.6
W	.1	.7	.6	.2	.1							1.9	8.7
WNW	.1	.4	1.1	.1	.4	.1						2.2	10.4
NW	.1	.5	1.3	.7	.9	.2						3.3	12.1
NNW		.7	1.3	2.1	.6	.1						4.9	12.7
VARBL													
CALM												.4	
	1.3	9.7	26.7	44.5	15.1	2.3						100.3	12.3

TOTAL NUMBER OF OBSERVATIONS

821

2

JOURNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12 37
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

007
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS U.S.T.

CONDITION

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.4	2.7	3.3	2.5	.1						14.4	13.0
NNE		.4	.8	1.6								2.8	10.3
NE	.2	1.2	1.2	1.1	.4	.1						4.2	9.5
ENE	.1	1.5	.8									2.4	5.9
E	.6	.5	.5									1.7	5.7
ESE	.1	.6	1.2	1.1								3.0	9.4
SE		1.7	2.4	2.5	.8							6.8	10.9
SSE		.6	3.3	7.1	1.9							13.0	12.6
S		1.6	7.3	12.2	2.7	.5						24.3	12.4
SSW		.5	2.2	4.8	.8							4.4	12.4
SW		.4	1.1	1.8	.4							3.6	11.8
WSW		.5	1.3									1.6	7.7
W		.3	.4	.4								1.6	7.4
WNW		.4	.7		.2							1.3	8.7
NW		.5	2.1	1.8	1.0	.4						5.7	12.9
NNW	.1	.4	1.5	1.2	.7	.5						4.4	12.6
VARBL													
CALM												.5	
	1.5	11.6	29.4	43.7	11.5	1.7						100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 127-37 WILL ROGERS IAP OK STATION NAME 73-81 YEARS OCT MONTH 1950-1970 HOURS 12-17
CLASS ALL WEATHER
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		3.6	5.8	5.1	.2	.4						15.1	9.6
NNE		.7	1.7	.4	.1	.1						3.0	9.5
NE	.1	1.1	1.1	.7	.4							3.4	9.3
ENE	.2	1.2	.7									2.2	5.6
E	.2	2.2	1.2	.7								4.4	7.1
ESE	.1	2.2	1.9	.5	.1							4.8	7.5
SE	.4	5.4	7.1	1.9	.4							15.1	7.9
SSE	.4	5.7	7.3	5.3	1.1							14.7	9.1
S	.7	5.2	7.9	3.0	.1							16.9	7.8
SSW	.5	.6	.4	.4								1.3	6.6
SW	.4	.2										.6	3.6
WSW	.1	.6										.7	4.5
W	.2	.4	.1									.7	4.3
WNW		.7	.1	.2	.1							1.2	8.0
NW	.5	1.1	.4	.5	.5	.4						3.3	12.8
NNW	.1	1.7	1.2	1.0	.2							4.2	6.7
VARBL													
CALM												2.8	
	4.0	32.6	36.8	19.7	3.3	.8						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

827

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS DOY
CLASS ALL WEATHER MONTH NOV
CONDITION 2100-2300
HOURS

SPEED KNTS Dir	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	3.6	4.3	.5	.4						1.4	13.7
NNE		.5	.9	1.0	.2							2.7	13.5
NE		1.4	1.5	.1	.2							3.2	7.9
ENE	.1	.9	.9	.1								2.5	6.3
E	.1	1.6	1.5	.2								3.7	6.5
ESE	.2	2.6	1.8	.2	.1							5.1	6.7
SE	.5	5.8	6.2	2.7	.4							15.5	8.7
SSE	.5	5.7	8.0	9.0	1.4	.1						23.7	9.5
S	.5	5.4	5.2	3.1	.2							14.4	6.1
SSW	.1	1.5	.6									2.2	5.3
SW	.2	.9	.1									1.2	4.4
WSW	.1	.2	.1									.5	4.8
W	.2	.1	.2									.6	5.2
WNW	.2	.5	.1									.9	4.6
NW	.4	1.6	.9	.1	.2	.5						4.1	9.6
NNW	.2	1.7	.9	1.0	.5	.1						4.4	9.4
VARBL												5.4	
CALM													
	4.2	31.9	32.4	21.0	3.8	1.2						170.0	8.1

TOTAL NUMBER OF OBSERVATIONS

611

JOINT CLIMATE BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27-31
STATION

WILL ROGERS IAP OK
STATION NAME

73-81
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS 12-24

CONDITION

SPEED KNOTS DIP	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	3.4	4.7	1.8	.4	.7					12.1	11.9
NNE	.1	.4	1.1	1.5	.3	.1						3.5	11.6
NE	.1	.6	1.2	.6	.2	.7						1.7	9.3
ENE	.1	.8	.7	.1								1.7	8.5
E	.2	.9	1.5	.2								2.2	6.8
ESE	.2	1.2	1.5	.5	.0							3.4	7.8
SE	.3	3.5	4.7	2.3	.4	.1						12.6	8.7
SSE	.4	4.1	6.4	6.3	1.2	.1						18.5	9.4
S	.5	4.7	7.7	7.1	1.8	.4						21.5	10.3
SSW	.3	1.1	1.4	1.9	.5	.1						5.3	10.2
SW	.3	.8	.7	.9	.2							4.5	9.3
WSW	.1	.4	.5	.1	.1							1.2	7.8
W	.2	.4	.3	.1	.7							1.1	6.6
WNW	.1	.5	.5	.1	.2	.7						1.5	6.5
NW	.2	1.1	1.3	.8	.4	.3						4.1	10.4
NNW	.2	1.2	1.5	1.4	.5	.2	.7					5.1	10.4
VARBL													
CALM												2.5	
	3.3	23.6	32.7	28.7	7.4	1.7	.0					174.2	9.6

TOTAL NUMBER OF OBSERVATIONS

5552

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 12000 WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: NOV NORTH
CLASS: ALL WEATHER HOURS: 0000-2400
CONDITION:

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	2.3	3.8	4.3	2.1	.7						12.9	11.5
NNE	.1	.9	1.7	1.6								3.5	9.9
NE		.7	1.1	.5	.1							2.3	9.1
ENE		.1	.8	.3								1.1	8.0
E	.1	.7	.9	.1								2.0	6.7
ESE	.1	.7	.9	.1								2.3	7.2
SE	.6	3.5	4.3	2.4	.1							13.7	8.1
SSE	.6	6.9	5.8	3.9	.1							17.4	8.1
S	1.4	3.1	5.5	4.6	.9	.1						15.7	9.4
SSW	.3	1.5	.9	1.3	.1							4.3	5.2
SW	.3	1.5	.9	.5								2.5	7.5
WSW	.1	.5	.1									.0	5.3
W		.5	1.1	.5	.3	.7						2.7	10.2
WNW		1.3	1.4	.1	.8							3.5	9.4
NW	.3	1.5	3.3	.9	.6							6.5	8.9
NNW		1.5	2.5	1.9	2.1	.4						8.4	12.3
VARBL													
CALM												3.9	
	4.3	26.3	33.5	22.9	7.3	1.7						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

02 30
STATION

WILL ROGERS IAP OH
STATION NAME

77-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

300-7500
NOISE LEVEL

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.1	4.2	5.7	1.8							14.3	11.8
NNE	.1	.1	.9	1.1	.3							2.9	13.8
NE		.8	.5	.3	.4							2.3	9.6
ENE	.4	.4										.8	4.7
E	.1	.9	.5	.3								1.3	6.9
ESE	.5	.4	1.1									2.4	6.4
SE	.5	4.5	5.5	1.3								11.7	7.4
SSE	.5	3.7	5.6	3.7	.4							13.9	6.8
S	1.7	5.1	5.9	4.1	1.4							17.7	9.2
SSW		1.7	1.1	.6								3.3	7.8
SW		1.7	1.1	.3								2.7	7.3
WSW		.1	.5	.1		.1						1.7	6.0
W	.1	1.1	.6	.6	.3							2.5	5.9
WNW		.5	1.7	.6	.1	.1						3.3	9.4
NW	.3	.9	3.8	1.8	1.0		.1					7.9	10.4
NNW		1.0	2.9	2.7	2.3	.3						9.2	12.4
VARBL													
CALM												5.9	
	3.9	24.6	36.3	22.4	7.9	.5	.1					120.2	7.7

TOTAL NUMBER OF OBSERVATIONS

785

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
77-8

WILL ROGERS IAP OK
STATION NAME

77-81

TEL 88

NOV
MONTH

ALL WEATHER
CLASS

600-1875
HOURS (LST)

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	4.3	9.1	2.1	.5						14.1	11.5
NNE	.1		.9	.9	.1							1.1	11.3
NE	.1	.4	.9	.4	.4							2.7	8.9
ENE	.7	.6	.1									1.3	4.9
E	.1	.6	.9	.1								1.8	6.7
ESE	.7	1.1	1.5	.1								2.5	6.2
SE		3.3	4.2	2.5								13.3	8.5
SSE	.6	3.1	6.2	3.8	.3	.1						15.7	8.6
S	1.3	5.7	3.5	4.8	.9							18.4	8.7
SSW		1.4	.3	.9	.4							2.9	9.4
SW	.1	1.1	1.1	.1								3.2	6.6
WSW		1.1	.4	.1								1.6	6.7
W	.4	.9	.3	.6	.4							2.5	6.7
WNW		1.7	1.1	.3								2.7	7.5
NW	.3	1.1	2.7	1.8	1.4	.7						7.6	11.8
NNW	.1	1.3	2.4	2.3	1.9	.3						8.2	12.7
VARBL													
CALM												4.5	
	3.5	16.7	37.1	23.7	7.7	1.5						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

792

USAFETAC FORM 10-64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION
03

WILL ROGERS IAP OK

STATION NAME

73-81

YEARS

NOV
MONTH

ALL WEATHER

CLASS

1970-1973

HOURS (EST.)

CONDITION

SPEED AND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.6	3.7	7.9	7.4	.3						18.3	12.7
NNE		.6	1.4	2.7	.3	.1						5.1	11.1
NE	.1	.4	.8	.9								4.4	8.5
ENE		.4	.6	.1								1.1	7.5
E	.1	.2	.7	.1								1.6	7.8
ESE	.1	.2	.6	.4								1.4	5.4
SE	.1	1.7	3.1	1.6								5.1	5.5
SSE	.1	1.1	5.4	5.3	.6							13.2	13.3
S	.3	2.3	6.1	9.1	2.2	.3						19.0	11.5
SSW		1.4	1.9	2.5	1.5	.4						7.7	12.2
SW		.4	1.5	1.2	.1							3.3	12.3
WSW		.3	.9	.8	.5							2.4	11.5
W	.1	.1	1.1	1.0	.1							2.5	9.7
WNW		.1	1.3	.8	.1	.3						3.0	11.3
NW	.1	.5	1.9	2.2	2.1	.5						7.5	13.2
NNW		.4	2.4	4.7	1.4	.6						9.5	13.1
VARBL													
CALM												1.1	
	1.1	12.6	34.0	36.1	12.3	2.4						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

782

NAVAL CLIMATOLOGY BRANCH
 100140
 AIR WEATHER SERVICE/NA

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

WILL ROGERS IAP 04 73-91
 STATION NAME YEARS
 ALL WEATHER
 CLASS
 CONDITION
 MONTH
 1001-1400
 HOURS U.S.T.

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	4.7	5.8	2.9	.3						14.2	12.5
NNE		.4	1.1	1.8	.5	.1						2.2	11.7
NE		.4	1.4	.6								2.4	9.5
ENE		.7	.5	.1								1.1	5.4
E	.4		1.1									1.4	6.7
ESE		.1	.5	.1								1.5	7.5
SE	.1	.4	2.5	1.3								4.3	9.5
SSE		.4	4.2	5.3	.8							10.5	11.5
S	.1	1.1	4.7	9.7	3.4	.5						15.3	13.0
SSW		.2	1.3	2.4	2.5	.1						7.4	13.7
SW		.5	1.5	2.3	.9							4.7	12.4
WSW		.3	.4	1.3		.1						2.4	11.7
W	.1	.2	1.5	1.1		.3						4.1	9.3
WNW		.2	1.6	2.7	.3	.1						4.7	10.3
NW		.5	2.3	1.9	1.4	.6						6.7	13.1
NNW		.2	1.5	4.0	3.4	.5						13.5	14.5
VARBL												.2	
CALM												.2	
	.3	9.5	30.5	34.0	16.3	2.2						100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

793

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMAG
 31 WEATHER SERVICE/MAG

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WILL ROGERS TAP STATION NAME 73-81 YEARS 1950-1951 MONTH NOV
 CLASS ALL WEATHER MONTH NOV
 CONDITION

SPEED KNT DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.7	2.7	6.8	1.4	.4						14.3	11.9
NN		.1	.6	.4	.1							1.9	13.1
NNE	.1	.1	1.2	.8								2.8	5.8
E	.1	.1	1.1	.3	.1							1.8	7.6
ESE	.1	.1	1.3	.3								2.2	7.7
SE	.1	.3	.4	.1								1.5	6.3
SSE	.1	1.7	3.1	1.6	.3							6.1	5.7
S		1.1	4.7	6.9	1.3							11.2	11.4
SSW	.1	1.3	5.7	6.3	2.6	.5						13.4	12.4
SW	.2	.5	1.8	2.7	.9							7.5	11.4
WSW	.1	.1	2.3	1.4	.3							3.1	10.3
W	.1	.1	1.1	.9								2.7	9.1
WNW	.1	.3	1.4	.5	.1							2.6	9.2
NW	.1	.1	.8	1.1	.8	.1						3.4	11.6
NNW	.1	1.6	1.1	3.1	1.7	.3						7.8	12.6
NNW		1.2	2.7	4.5	3.2	.5						12.1	13.7
VARBL													
CALM												1.3	
	1.9	13.2	32.7	36.5	12.6	1.8						170.5	11.2

TOTAL NUMBER OF OBSERVATIONS 733

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS TAP OK 73-81 NOV
STATION NAME ALL WEATHER CLAS MONTH
CLASS 15 3-2000
CONDITION HOURS 1571

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	4.6	6.5	3.6	2.1	.5						17.6	10.4
NNE		1.0	1.3	.5	.1							2.9	6.3
NE	.1	1.7	1.7	.5								3.5	6.9
ENE	.3	.9	1.1	.1								2.4	6.5
E		.5	.9	.1								1.9	7.2
ESE		2.3	1.3	.1								3.4	6.6
SE		3.6	5.3	1.8								15.7	7.9
SSE	.4	4.5	6.4	4.1	.4							15.6	6.6
S	1.0	3.3	5.8	1.9	.9							12.6	6.6
SSW	.1	1.5	1.5	.1								3.4	6.8
SW			.8									.3	6.5
WSW	.1	.6	.1	.9	.3							2.1	6.7
W	.3	.5	.7	.5								1.5	6.7
WNW	.1	.5	.5	.4	.1							1.9	6.3
NW	.1	1.4	1.0	2.3	.4	.1						5.3	10.3
NNW	.1	1.9	3.9	2.0	2.3	.4						10.5	11.4
VARBL													
CALM												3.4	
	2.9	24.5	37.5	15.9	6.5	1.1						120.3	6.7

TOTAL NUMBER OF OBSERVATIONS

797

U.S. NAVAL CLIMATOLOGY BRANCH
U.S. FLEET
ATMOSPHERIC SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: VILL ROBERT IAP OR STATION NUMBER: 77-61 YEARS: NOV MONTH: 11 0-2300 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED KNOTS OR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N	.1	2.1	5.5	4.3	2.4	.3						14.7	11.4
NNE	.3	1.1	1.6	.5	.1							3.5	5.7
NE	.1	1.1	1.7	.4								3.4	7.4
ENE		1.1	1.7	.3								2.3	7.2
E		1.4	1.3	.6								3.3	7.7
ESE	.1	1.4	1.6	.1								3.3	7.1
SE	.2	4.7	4.5	1.8								11.2	7.5
SSE	.5	4.7	7.7	3.7	.5							17.7	8.6
S	.9	4.7	4.9	3.8	.9	.3						15.1	9.3
SSW	.3	.9	1.6	.1								3.4	7.5
SW	.2	.5	.6									1.4	6.3
WSW	.1	.8	.3	.3		.7						1.6	4.8
W		.4	.9	.3	.1	.7						1.7	13.7
WNW	.1	.2	.9	.8	.3							2.3	4.3
NW		1.1	2.3	.8	.8	.3						5.2	10.1
NNW		.6	2.6	1.8	1.7	.3						5.3	12.2
VARBL													
CALM												3.4	
	2.6	26.8	39.3	19.8	6.0	.5						10.2	5.8

TOTAL NUMBER OF OBSERVATIONS

794

2

U.S. BAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

21351 WILL ROGERS IAP OK
STATION

STATION NAME

73-51

YEARS

NOV
MONTHALL WEATHER
CLASSALL
HOURS PER Y

CONDITION

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.1	4.5	4.8	2.3	.3						14.1	11.7
NNE	.1	.6	1.1	1.2	.2	.2						3.2	10.0
NE	.1	.2	1.1	.5	.1							4.3	8.3
ENE	.1	.2	.7	.1	.2							1.5	7.2
E	.1	.7	.9	.2								2.1	7.3
ESE	.2	.9	1.0	.1								2.2	6.9
SE	.2	2.9	3.9	1.7	.2							8.3	6.1
SSE	.3	3.6	5.6	4.3	.5	.7						14.4	9.3
S	.7	3.3	5.2	5.6	1.6	.2						18.7	10.4
SSW	.1	1.2	1.3	1.3	.7	.1						4.7	10.5
SW	.1	.8	1.2	.7	.2							3.1	9.3
WSW	.1	.3	.5	.5	.1	.1						1.9	9.6
W	.2	.5	.9	.6	.2	.1						2.5	9.4
WNW	.2	.3	1.2	.6	.3	.1						3.2	9.9
NW	.1	1.1	2.3	1.8	1.2	.3	.3					8.3	11.4
NNW	.3	1.1	2.7	3.7	2.2	.4						14.4	12.7
VARBL													
CALM												2.8	
	2.7	21.6	34.3	27.4	9.6	1.6	.3					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

6331

2

U.S. NAVAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAD

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
2003

WILL ROGERS IAP OK

STATION NAME

73-81

YEARS

DEC

MONTH

ALL WEATHER

CLASS

200-200

HOURS (LST)

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.1	3.7	5.6	2.8	1.3	.1					10.7	12.9
NNE		1.3	.7	2.5		.1						4.2	13.1
NE		.2	.7	.6								1.5	15.5
ENE		.7										.7	5.2
E		.9	.9									1.7	6.6
ESE	.5	1.3	.6	.2								2.4	6.5
SE		2.7	4.2	1.3	.1							8.3	5.3
SSE	.5	3.9	6.6	3.5	.4							15.0	8.7
S	1.5	3.9	7.7	5.4	1.6	.1						17.7	9.8
SSW	.1	1.6	.4	.7	.4							3.2	8.6
SW	.5	1.6	1.7	.2								4.0	6.5
WSW	.1	.6	.2	.1								1.3	5.8
W		.6	.7	.9								2.2	9.5
WNW	.2	1.3	1.7	.4	.1							3.8	7.6
NW	.1	.9	2.7	1.2	.2							5.1	9.1
NNW	.2	.9	2.1	2.3	1.3	.9						7.7	12.9
VARBL													
CALM												2.3	
	3.3	24.9	34.6	25.5	7.0	2.4	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

819

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12057 WILL ROGERS IAP OK STATION NAME 73-81 YEARS DEC MONTH
ALL WEATHER CLASS 300-3500 HOURS (LST) CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.1	4.8	4.7	4.2	.5	.1					10.5	13.2
NNE		1.1	1.1	1.0	.1							3.2	9.1
NE		.7	.5	.6								2.0	8.6
ENE	.1	.0	.4									1.1	5.9
E	.4	.5	.5	.1								1.9	6.7
ESE		1.2	.2	.1								1.6	6.4
SE		2.7	3.9	1.0	.1							7.0	8.3
SSE	.1	4.8	7.6	4.5	.1							17.1	8.5
S	.5	3.0	7.0	5.2	1.6							18.3	10.3
SSW	.1	1.7	1.2	.2								3.4	6.6
SW	.1	1.1	1.2	.9								3.2	6.5
WSW		.6	.9	.2								1.7	7.1
W	.1	.7	.5	.7								2.1	7.8
WNW		1.1	1.2									2.2	6.7
NW		1.1	3.2	1.4	.4							6.0	9.6
NNW		1.4	2.5	3.0	1.9	.6						9.3	12.6
VARBL													
CALM												3.4	
	1.5	23.7	36.9	24.7	8.4	1.2	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

875

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72703 WILL ROGERS IAP OK 73-81 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
600-1870
HOURS (LST)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	2.8	5.1	4.1	1.7	.1					15.7	14.2
NNE	.2	.7	.6	.7	.4							2.7	9.6
NE		.4	1.1	.1								1.6	7.6
ENE		.7	.6	.1								1.7	7.9
E		1.2	.2	.2								1.7	6.6
ESE		1.2	1.7									2.2	6.6
SE		2.5	2.5	1.5	.2							7.7	9.2
SSE	.1	3.6	7.6	3.9	.6							15.9	9.2
S	.1	4.1	5.8	7.3	1.6							18.8	10.4
SSW	.2	.6	1.3	.6	.1							2.9	8.8
SW	.1	2.5	.4	.1								3.2	5.9
WSW	.5	.6	.5									1.6	5.2
W	.1	.7	.7	.5								2.1	7.6
WNW		1.7	.6	.8	.2							2.7	9.4
NW	.4	1.6	3.8	1.6	.2	.1						7.6	8.9
NNW	.4	1.1	3.4	3.3	1.7	.2						10.1	11.8
VARBL													
CALM												3.4	
	2.4	23.3	33.0	26.8	9.2	1.7	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

824

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS DEC
 CLASS ALL WEATHER MONTH 1980-1180
 CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	3.3	5.3	3.9	1.7	.4					15.1	14.7
NNE	.1		.7	1.7	.5	.4						3.4	13.7
NE		.7	.5	.2								1.5	8.3
ENE	.2	1.1	1.0									2.2	6.1
E		.6	.5	.5								1.6	8.7
ESE		.5	.9	.1								1.5	7.4
SE	.1	.7	2.9	1.6	.2							5.6	9.8
SSE	.1	1.5	4.4	4.2	1.2							10.9	11.3
S	.6	2.5	4.4	8.3	4.0	.5						20.3	12.2
SSW		1.5	2.9	2.8	.2	.2						7.2	11.2
SW	.1	.4	1.7	1.2	.1							3.6	9.7
WSW		1.5	1.2	.4								2.6	8.1
W		.4	1.0	.1								1.5	8.1
WNW	.1	.4	1.7	.7	.4	.2						3.6	10.8
NW	.2	.5	2.2	3.1	.9	.5						7.4	12.1
NNW	.2	1.5	1.2	5.3	1.6	.6	.1					10.0	13.4
VARBL													
CALM												1.1	
	2.3	12.6	30.6	35.5	13.1	4.2	.5					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12150 WILL ROGERS IAP OK

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER
CLASS

1215-1400
HOURS (GMT)

CONDITION

SPEED KTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.6	3.1	5.0	6.9	1.3						15.0	15.3
NNE		.6	.4									1.4	5.3
NE	.1	.7	1.3	.7								2.9	6.5
ENE	.1	.1	.2									.5	5.5
E		.7	.2	.1								1.1	6.4
ESE	.1	.7	.6	.5								1.9	7.8
SE	.1	.3	1.6	1.7	.6							4.3	10.6
SSE		.7	2.8	3.4	1.0	.2						6.1	12.0
S	.2	.4	2.3	5.1	4.5	.4	.5					17.3	14.1
SSW		.7	2.2	4.2	2.1	.2	.1					9.5	13.6
SW	.1	.2	1.6	2.9	.1		.1	.1				5.2	12.3
WSW		.4	1.0	.5	.1							1.9	9.5
W	.1	.3	1.4	.7	.4	.1						3.6	10.1
WNW	.1	1.0	1.7	1.7								4.5	9.3
NW		.2	1.4	3.4	1.2	.7	.1					7.1	14.3
NNW	.1	.5	2.3	4.6	3.7	.8	.2					11.7	14.7
VARBL													
CALM												.4	
	1.3	10.1	24.4	39.8	19.3	4.5	1.1	.1				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS

828

JOINT CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION WILL ROGERS IAP OK STATION NAME 73-81 YEARS DEC MONTH 1970-1970 HOURS 1-24
ALL WEATHER CLASS
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	3.6	6.3	4.9	1.7	.1					17.6	14.9
NNE	.1	.2	.8	1.1	.1							2.4	13.3
NE	.2	1.0	.6	.4	.2							2.4	8.1
ENE	.1	.4	.4	.1								1.1	6.6
E	.2	.5	.2	.1								1.2	6.1
ESE	.1	.5	.4	.2								1.3	7.1
SE	.2	1.7	2.4	2.2	.2							6.3	9.1
SSE	.1	2.2	3.7	4.2	.8							10.4	13.4
S	.1	1.5	4.5	7.6	2.8	.6						17.2	12.4
SSW	.1	.4	1.9	2.2	1.1	.2		.1				6.1	12.5
SW		.0	1.9	1.9	.2							4.7	10.4
WSW	.1	.7	.7	.6								2.2	8.6
W	.2	.5	2.1	.6	.1	.2						3.3	9.9
WNW		.4	1.1	.8	.2	.1						2.7	11.1
NW	.4	.6	1.7	1.8	1.1	.5						6.1	12.4
NNW		.4	2.9	5.7	4.1	.6						13.2	14.2
VARBL													
CALM												.8	
	2.2	12.7	28.4	35.6	16.0	4.0	.1	.1				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
40 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: WILL ROGERS IAP OK STATION NAME: 73-81 YEARS: DEC MONTH: 1977-1978 HOURS: 0000

ALL WEATHER CLASS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.3	5.5	5.5	4.8	1.2						25.2	12.7
NNE		.3	1.5	.6								4.3	4.4
NE	.1	1.5	2.4	.1								4.1	6.9
ENE		.7	1.1									1.5	7.1
E	.1	1.7	.7									2.5	5.7
ESE	.4	2.6	1.2	.2								4.1	6.7
SE	.2	3.4	4.5	1.2	.1							9.5	7.8
SSE	.5	3.3	3.9	5.5	.1							13.3	7.5
S	.3	2.4	6.5	3.2	.2	.1						15.6	8.7
SSW		.7	.6	.4		.1						1.5	5.3
SW		.1	.4									.5	6.3
WSW		1.2	.6									1.5	5.1
W	.2	1.1	.5	.2								2.2	6.7
WNW	.4	.2	.5	.7								2.4	7.8
NW	.1	2.1	1.6	.9	.5	.1						5.2	9.2
NNW		1.5	3.3	2.9	1.6	.5						9.9	12.2
VARBL													
CALM												3.3	
	2.7	25.4	37.1	21.4	7.3	2.2						120.0	9.2

TOTAL NUMBER OF OBSERVATIONS 421

CLIMATE CLIMATOLOGY BRANCH
AFSTAC
ALL-WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALL-WEATHER SERVICE/MAL

197-81

YEARS

DATE

ALL-WEATHER
CLASS

197-81

LOCATION

WIND DIRECTION	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.0	4.1	5.4	3.6	1.5						17.5	13.5
NNE		.1	1.2	1.2	.5							4.2	13.7
NE		1.0	1.2	.6								3.7	7.4
ENE		1.0	.2	.1								1.4	6.0
E		1.1	1.4									2.5	7.0
ESE	.1	1.4	1.0									2.5	5.7
SE		3.5	4.3	1.1	.2							9.2	7.5
SSE	.4	4.0	7.4	4.5	.9							17.5	9.0
S	.1	3.4	6.6	3.2	.5							14.4	9.0
SSW		1.7	2.7	.7	.2							4.7	6.7
SW	.1	1.0	.9	.2								2.2	7.1
WSW		.0	.5									1.1	6.7
W	.1	1.0	.2									1.4	5.3
WNW		1.0	.5	.2								1.4	6.4
NW	.1	1.4	2.7	.7	.2	.2						5.4	7.0
NNW	.1	.9	1.8	2.7	.5	1.5						7.0	13.6
VARBL													
CALM												5.7	
	1.2	27.1	36.8	21.9	6.8	3.7						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

617

CLIMATE CLIMATOLOGY BRANCH
AFSTAC
ALL-WEATHER SERVICE/MAL

2

U.S. AIR FORCE CLIMATOLOGY BRANCH
AFMTC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WILL ROGERS IAP OK

STATION NAME

73-81

YEARS

DEC

MONTH

ALL WEATHER

CLASS

ALL

HOURLY

CONDITION

SPEED KNT S R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.1	4.6	5.7	4.4	1.4	.1					17.3	13.4
NNE	.1	.6	.9	1.1	.2	.1						3.9	1.4
NE	.1	.4	1.1	.4	.7							2.5	0.7
ENE	.1	.6	.5	.0								1.2	0.4
E	.1	1.0	.6	.1								1.8	0.7
ESE	.1	1.2	.7	.2								2.2	0.7
SE	.1	2.2	3.3	1.5	.2							7.3	3.6
SSE	.7	3.0	5.4	4.2	.6	.3						13.5	9.6
S	.4	2.3	5.8	5.3	2.1	.2	.1					17.7	10.9
SSW	.1	1.1	1.6	1.5	.5	.1	.1	.3				4.9	10.9
SW	.1	.3	1.2	.9	.1		.3	.3				3.3	9.3
WSW	.1	.7	.7	.2	.2							1.5	7.4
W	.1	.7	.9	.5	.1							2.4	6.5
WNW	.0	.9	1.1	.7	.1	.3						3.0	6.9
NW	.7	1.0	2.4	1.9	.6	.3	.3					9.2	13.8
NNW	.1	.9	2.4	3.7	2.7	.7	.7					10.3	13.3
VARBL												2.2	
CALM													
	0.1	20.0	32.7	24.8	10.9	2.9	.3	.7				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

5252

GLOBAL CLIMATOLOGY BRANCH
 WFO
 WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: KILLE OVER LAPOR STATION NAME: 77-81 YEARS: ALL MONTH: ALL CLASS: ALL CONDITION:

WIND DIRECTION		4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.0	3.5	4.4	1.5	.0	.1	.0				1.5	12.1
NNE	.1	.0	1.2	1.2	.2	.0						1.2	13.3
N	.1	.0	1.5	.9	.1	.0	.0					3.5	8.9
ENE	.1	.0	1.0	.4	.0	.0						2.4	7.0
E	.0	1.2	1.4	.6	.0	.0						3.3	7.8
ESE	.7	1.5	1.5	.6	.1	.0						3.5	7.8
SE	.0	3.1	4.1	3.1	.3	.1	.0					9.5	8.1
SSE	.4	3.4	6.2	6.2	.8	.1	.0	.0				15.1	9.7
S	.4	3.3	6.5	7.8	2.1	.0	.0					20.8	11.0
SSW	.1	.0	1.3	1.8	.6	.1	.0	.0				4.8	11.2
SW	.2	.7	.9	.8	.2	.1	.0	.0				7.4	9.5
WSW	.1	.0	.5	.3	.1	.0	.0	.0				1.5	8.9
W	.1	.0	.5	.3	.1	.0	.0	.0				1.7	8.5
WNW	.1	.0	.5	.4	.1	.1	.0	.0				1.4	7.3
NW	.1	.0	1.2	1.0	.5	.3	.1	.0				4.2	11.6
NNW	.1	.0	1.4	1.8	1.1	.4	.1	.0				5.5	12.7
VARIE													
CALM												2.5	
		2.7	21.3	33.5	24.4	6.3	2.0	.2	.0			100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

77321

U.S. NAVAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20340
 REPORT NUMBER 7440

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: KILL TOWER IAP CA STATION NUMBER: 73-61 YEARS: ALL MONTH: ALL
 INSTRUMENT: CLASS: ALL
 CONDITION: CIG 100 TO 1400 FT W/ VSBY 1/2 MI OR MORE, AND/OR VSBY 1/2 TO 2-1/2 MI W/ CIG 200 FT OR MORE

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.7	5.5	11.4	4.6	1.5	.3					24.5	12.7
NNE	.1	.1	1.8	2.1	.1	.5						4.0	12.5
NE	.1	.1	2.1	1.2	.5	.1						4.1	9.1
ENE	.1	.1	1.2	.5	.1							2.3	5.4
E	.1	.2	1.8	1.5	.1							3.7	5.7
ESE	.1	1.1	1.4	1.2	.2							4.0	7.7
SE	.1	1.7	2.4	3.6	.7	.7						8.3	11.7
SSE	.2	1.4	3.4	5.3	.6	.7						11.3	11.3
S	.7	1.4	3.6	5.8	1.5	.1						12.7	11.5
SSW	.1	.4	.5	.4	.2	.1						1.5	7.9
SW	.1	.2	.5	.2	.1		.3	.3				1.1	7.5
WSW	.1	.3	.4	.2		.2						.9	5.5
W	.1	.4	.3	.1	.1	.1						1.2	5.4
WNW	.1	.3	.5	.3	.2	.1	.1					1.4	11.2
NW	.1	.6	.5	1.4	.5	.5	.1					4.1	14.3
NNW	.1	.7	1.5	4.6	2.7	1.1	.2	.3				11.4	14.7
VARBL												2.7	
CALM												2.7	
TOTAL	1.4	11.7	28.4	39.2	12.7	3.7	.7	.1				12.2	11.7

TOTAL NUMBER OF OBSERVATIONS

7480

U.S. NAVAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20340

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

CEILING VERSUS VISIBILITY

WILL COVER, IAP OK

75-51

442

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

100-3222

[illegible]TOTAL NUMBER OF OBSERVATIONS 520

CEILING VERSUS VISIBILITY

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

73-61

44.

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

112-2200

56.2	56.4	56.4	57.2	57.2	57.2	57.2	57.2	57.5	57.5	57.5	57.7	57.7	57.9	57.9
61.0	61.2	61.7	62.0	62.0	62.1	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.6	62.7
61.1	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.5	62.5	62.6	62.7
61.1	61.2	61.7	62.0	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.5	62.5	62.6	62.7
61.2	61.5	62.0	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.6	62.7	62.7	62.9	62.9
62.3	62.7	63.2	63.4	63.4	63.4	63.4	63.4	63.8	63.8	63.8	63.9	63.9	64.2	64.2
64.9	65.2	65.6	65.9	65.9	65.9	65.9	65.9	66.3	66.3	66.3	66.4	66.4	66.5	66.5
65.2	65.4	65.9	66.1	66.1	66.1	66.1	66.1	66.5	66.5	66.5	66.6	66.6	66.7	66.9
66.9	67.1	67.6	67.9	67.9	67.9	67.9	67.9	68.2	68.2	68.2	68.3	68.3	68.5	68.5
67.1	67.4	67.9	68.1	68.1	68.1	68.1	68.1	68.5	68.5	68.5	68.6	68.6	68.7	68.8
67.4	67.6	68.1	68.3	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.8	68.8	69.0	69.1
68.2	68.5	69.0	69.2	69.2	69.3	69.3	69.3	69.7	69.7	69.7	69.8	69.8	69.9	70.1
69.1	69.3	69.8	70.1	70.1	70.2	70.2	70.2	70.6	70.6	70.6	70.7	70.7	70.9	70.9
69.4	69.8	70.3	70.6	70.6	70.7	70.7	70.7	71.1	71.1	71.1	71.2	71.2	71.3	71.4
70.7	71.0	71.5	71.8	71.8	71.9	71.9	71.9	72.3	72.3	72.3	72.4	72.4	72.5	72.6
72.1	72.5	73.0	73.3	73.3	73.4	73.4	73.4	73.7	73.7	73.7	73.9	73.9	74.0	74.1
74.6	75.1	75.5	75.7	75.7	76.0	76.0	76.0	76.3	76.3	76.3	76.4	76.4	76.5	76.7
75.5	76.0	76.4	76.7	76.7	76.9	76.9	76.9	77.3	77.3	77.3	77.4	77.4	77.5	77.7
76.0	76.6	77.1	77.3	77.3	77.5	77.5	77.5	77.9	77.9	77.9	78.0	78.0	78.2	78.3
77.2	77.9	78.4	78.7	78.7	78.9	78.9	78.9	79.3	79.3	79.3	79.4	79.4	79.5	79.6
79.3	80.5	81.0	81.2	81.2	81.5	81.6	81.6	82.0	82.0	82.0	82.1	82.1	82.2	82.3
82.1	82.9	83.3	83.6	83.7	83.9	84.0	84.0	84.4	84.4	84.5	84.5	84.7	84.9	84.9
82.9	84.7	84.5	84.8	85.0	85.3	85.4	85.4	85.9	86.0	86.0	86.1	86.1	86.3	86.4
83.3	84.4	84.9	85.2	85.4	85.6	85.8	85.8	86.3	86.4	86.4	86.5	86.5	86.6	86.7
83.9	85.4	85.9	86.1	86.4	86.6	86.7	86.7	87.2	87.4	87.4	87.5	87.5	87.6	87.7
85.2	86.6	87.1	87.6	87.9	88.1	88.2	88.2	88.7	88.9	88.9	89.0	89.0	89.1	89.2
85.6	87.2	88.2	88.7	89.0	89.4	89.4	89.6	89.6	90.2	90.3	90.3	90.4	90.5	90.7
86.8	87.5	89.0	89.7	89.9	90.6	90.7	90.7	91.3	91.4	91.4	91.5	91.5	91.7	91.8
85.9	87.6	89.7	90.4	90.8	91.4	91.7	91.7	92.3	92.5	92.5	93.0	93.0	93.1	93.3
85.9	87.6	89.7	90.6	90.9	91.8	92.0</								

TOTAL NUMBER OF OBSERVATIONS 615

USAF F-4C 7-4-70 264 899.7 1 22 1 100% ABT 100% E

FEDERAL CLIMATOLOGY BRANCH
WILLIAMS
WEATHER SERVICE/MAD

CEILING VERSUS VISIBILITY

WILLIAMS IAP, OK

73-81

244

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1600

47.3	51.6	51.9	52.5	52.7	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.3	53.7	53.4	53.9
48.7	53.1	53.5	53.1	53.2	53.2	53.4	53.7	53.7	53.7	53.7	53.7	53.9	53.9	53.9	53.9
49.2	53.1	53.5	53.2	53.3	53.3	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
49.7	53.5	53.9	53.5	53.7	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
50.1	53.7	54.1	53.7	53.9	53.9	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
50.1	52.2	52.7	53.3	53.4	53.4	53.6	53.9	53.9	53.9	53.9	53.9	54.1	54.1	54.3	54.7
50.4	52.4	52.9	53.5	53.6	53.6	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.4	54.5
50.1	53.3	53.9	54.4	54.5	54.5	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.3
50.5	53.9	54.4	55.1	55.2	55.2	55.5	55.7	55.7	55.7	55.7	55.7	55.9	55.9	56.1	56.1
50.5	54.4	54.4	55.6	55.7	55.7	55.9	56.2	56.2	56.2	56.2	56.2	56.4	56.4	56.5	56.7
50.4	55.3	55.3	57.0	57.1	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.9	57.9	58.0	58.5
50.4	56.9	57.4	58.2	58.4	58.4	58.6	58.8	58.8	58.8	58.8	58.8	59.1	59.1	59.2	59.7
50.7	57.8	58.2	59.1	59.2	59.2	59.9	59.7	59.7	59.7	59.7	59.7	60.2	60.2	60.2	60.7
51.4	58.6	59.1	59.9	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.7	60.7	60.7	60.9	61.3
52.2	59.7	60.3	61.3	61.4	61.4	61.6	61.9	61.9	61.9	62.2	62.2	62.2	62.2	62.3	62.3
53.1	61.7	61.3	62.2	62.3	62.3	62.6	62.8	62.8	62.8	62.9	62.9	63.2	63.2	63.3	63.3
54.1	62.3	62.6	63.6	63.8	63.8	64.2	64.3	64.3	64.3	64.4	64.4	64.6	64.6	64.8	65.2
55.1	63.1	63.7	64.6	64.9	64.9	65.1	65.4	65.4	65.4	65.5	65.5	65.7	65.7	65.8	65.8
55.7	64.3	65.2	66.2	66.4	66.4	66.7	66.9	66.9	66.9	67.1	67.1	67.3	67.3	67.4	67.9
56.7	65.3	66.2	67.1	67.8	67.8	68.4	68.6	68.6	68.6	68.9	68.9	69.1	69.1	69.2	69.7
57.7	66.3	67.2	68.1	68.2	68.2	68.9	69.7	69.7	69.7	69.8	69.8	70.2	70.2	70.2	70.7
58.7	67.3	68.2	69.1	69.9	69.9	70.3	70.5	70.5	70.5	70.7	70.7	70.9	70.9	71.1	71.3
59.7	68.3	69.2	70.1	70.3	70.3	70.3	70.5	70.5	70.5	70.7	70.7	70.9	70.9	71.1	71.3
60.7	69.3	70.2	71.1	71.3	71.3	71.6	71.9	71.9	71.9	72.2	72.2	72.2	72.2	72.3	72.3
61.7	70.3	71.2	72.1	72.3	72.3	72.6	72.8	72.8	72.8	72.9	72.9	73.2	73.2	73.3	73.3
62.7	71.3	72.2	73.1	73.6	73.6	74.2	74.3	74.3	74.3	74.4	74.4	74.6	74.6	74.8	75.2
63.7	72.3	73.2	74.1	74.6	74.6	75.1	75.4	75.4	75.4	75.5	75.5	75.7	75.7	75.8	75.8
64.7	73.3	74.2	75.1	76.2	76.2	76.7	76.9	76.9	76.9	77.1	77.1	77.3	77.3	77.4	77.9
65.7	74.3	75.2	76.1	77.2	77.2	77.7	77.9	77.9	77.9	78.1	78.1	78.3	78.3	78.4	78.9
66.7	75.3	76.2	77.1	78.2	78.2	78.7	78.9	78.9	78.9	79.1	79.1	79.3	79.3	79.4	79.9
67.7	76.3	77.2	78.1	79.2	79.2	79.7	79.9	79.9	79.9	80.1	80.1	80.3	80.3	80.4	80.9
68.7	77.3	78.2	79.1	80.2	80.2	80.7	80.9	80.9	80.9	81.1	81.1	81.3	81.3	81.4	81.9
69.7	78.3	79.2	80.1	81.2	81.2	81.7	81.9	81.9	81.9	82.1	82.1	82.3	82.3	82.4	82.9
70.7	79.3	80.2	81.1	82.2	82.2	82.7	82.9	82.9	82.9	83.1	83.1	83.3	83.3	83.4	83.9
71.7	80.3	81.2	82.1	83.2	83.2	83.7	83.9	83.9	83.9	84.1	84.1	84.3	84.3	84.4	84.9
72.7	81.3	82.2	83.1	84.2	84.2	84.7	84.9	84.9	84.9	85.1	85.1	85.3	85.3	85.4	85.9
73.7	82.3	83.2	84.1	85.2	85.2	85.7	85.9	85.9	85.9	86.1	86.1	86.3	86.3	86.4	86.9
74.7	83.3	84.2	85.1	86.2	86.2	86.7	86.9	86.9	86.9	87.1	87.1	87.3	87.3	87.4	87.9
75.7	84.3	85.2	86.1	87.2	87.2	87.7	87.9	87.9	87.9	88.1	88.1	88.3	88.3	88.4	88.9
76.7	85.3	86.2	87.1	88.2	88.2	88.7	88.9	88.9	88.9	89.1	89.1	89.3	89.3	89.4	89.9
77.7	86.3	87.2	88.1	89.2	89.2	89.7	89.9	89.9	89.9	90.1	90.1	90.3	90.3	90.4	90.9
78.7	87.3	88.2	89.1	90.2	90.2	90.7	90.9	90.9	90.9	91.1	91.1	91.3	91.3	91.4	91.9
79.7	88.3	89.2	90.1	91.2	91.2	91.7	91.9	91.9	91.9	92.1	92.1	92.3	92.3	92.4	92.9
80.7	89.3	90.2	91.1	92.2	92.2	92.7	92.9	92.9	92.9	93.1	93.1	93.3	93.3	93.4	93.9
81.7	90.3	91.2	92.1	93.2	93.2	93.7	93.9	93.9	93.9	94.1	94.1	94.3	94.3	94.4	94.9
82.7	91.3	92.2	93.1	94.2	94.2	94.7	94.9	94.9	94.9	95.1	95.1	95.3	95.3	95.4	95.9
83.7	92.3	93.2	94.1	95.2	95.2	95.7	95.9	95.9	95.9	96.1	96.1	96.3	96.3	96.4	96.9
84.7	93.3	94.2	95.1	96.2	96.2	96.7	96.9	96.9	96.9	97.1	97.1	97.3	97.3	97.4	97.9
85.7	94.3	95.2	96.1	97.2	97.2	97.7	97.9	97.9	97.9	98.1	98.1	98.3	98.3	98.4	98.9
86.7	95.3	96.2	97.1	98.2	98.2	98.7	98.9	98.9	98.9	99.1	99.1	99.3	99.3	99.4	99.9
87.7	96.3	97.2	98.1	99.2	99.2	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 224

USAF FORM 12-1, 1-65 (1-1) A. WEATHER SERVICE/MAD

1
2

ALTIMETRY BRANCH
METAR
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROBERT IAP 04

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1900-1100

47.3	52.3	52.4	53.1	53.2	53.2	53.4	53.6	51.6	53.7	53.7	53.7	53.8	53.7	53.9	54.4
44.7	59.1	59.9	60.0	60.2	60.4	60.3	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.3	61.8
44.7	59.1	59.9	60.0	60.2	60.4	60.3	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.3	61.8
44.7	59.1	59.9	60.0	60.2	60.4	60.3	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.3	61.8
54.4	59.3	61.2	60.4	60.5	60.8	61.2	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.6	62.1
50.4	61.2	62.1	62.3	62.4	62.6	63.1	63.1	63.1	63.5	63.5	63.5	63.6	63.6	63.7	64.2
50.3	63.6	64.5	64.8	65.1	65.3	65.7	65.8	65.8	66.2	66.2	66.2	66.3	66.3	66.4	66.9
59.1	64.3	65.3	65.6	65.8	66.1	66.4	66.5	66.5	66.9	66.9	66.9	67.2	67.2	67.2	67.6
59.7	65.2	66.2	66.4	66.7	66.9	67.3	67.4	67.4	67.8	67.8	67.8	67.9	67.9	68.1	68.5
60.3	66.2	67.2	67.6	67.9	68.1	68.5	68.6	68.6	69.0	69.0	69.0	69.1	69.1	69.2	69.7
60.3	66.4	67.4	67.9	68.1	68.4	68.8	68.9	68.9	69.2	69.2	69.2	69.4	69.4	69.5	70.1
61.2	67.4	68.4	68.9	69.1	69.4	69.7	69.9	69.9	70.2	70.2	70.2	70.3	70.3	70.5	71.1
61.4	68.6	69.7	70.2	70.5	70.7	71.1	71.2	71.2	71.6	71.6	71.6	71.7	71.7	71.8	72.3
62.1	69.4	70.3	70.8	71.1	71.3	71.7	71.8	71.8	72.2	72.2	72.2	72.3	72.3	72.4	72.9
62.6	70.3	71.1	71.6	71.8	72.1	72.4	72.5	72.5	72.9	72.9	72.9	73.0	73.0	73.2	73.7
63.7	70.5	71.6	72.1	72.3	72.6	72.9	73.0	73.1	73.4	73.4	73.4	73.5	73.5	73.7	74.1
63.4	71.1	72.1	72.5	72.8	73.0	73.4	73.5	73.5	74.0	74.0	74.0	74.1	74.1	74.3	74.9
63.8	71.8	72.9	73.4	73.7	73.9	74.4	74.5	74.5	75.0	75.0	75.0	75.1	75.1	75.2	75.7
64.2	72.3	73.4	73.9	74.1	74.6	75.1	75.2	75.2	75.7	75.7	75.7	75.9	75.9	76.0	76.5
65.7	74.4	75.5	76.1	76.5	77.0	77.6	77.7	77.7	78.2	78.2	78.2	78.3	78.3	78.4	78.9
65.7	77.1	78.3	79.0	79.5	80.1	81.3	81.5	81.5	82.0	82.0	82.0	82.1	82.1	82.2	82.7
66.2	78.4	79.9	81.0	81.7	82.4	83.6	84.1	84.1	84.6	84.6	84.6	84.7	84.7	84.8	85.3
66.2	78.8	81.4	81.6	82.4	83.0	84.4	84.9	84.9	85.4	85.4	85.4	85.5	85.5	85.7	86.2
66.3	79.5	81.1	82.5	83.2	83.8	85.3	85.9	85.9	86.4	86.4	86.4	86.6	86.6	86.8	87.3
66.4	79.9	81.7	83.2	84.3	84.9	86.6	87.3	87.3	87.7	87.7	87.7	87.7	88.0	88.1	88.6
66.4	81.0	82.7	83.5	85.0	85.9	87.7	88.5	88.5	89.2	89.2	89.2	89.7	89.7	89.8	90.3
66.4	80.3	82.6	84.1	85.9	87.1	89.2	90.1	90.1	90.9	91.1	91.1	91.5	91.5	91.7	92.2
66.4	80.3	82.7	84.2	86.2	87.3	89.6	90.6	90.7	91.7	91.9	91.9	92.4	92.4	92.5	93.0
66.4	80.3	82.7	84.2	86.2	87.3	89.7	90.8	91.1	92.5	93.1	93.1	94.1	94.1	94.5	95.1
66.4	81.3	82.7	84.2	86.3	87.4	89.8	90.9	91.2	93.0	94.1	94.1	95.6	95.6	96.2	96.7
66.4	81.3	82.7	84.2	86.3	87.4	90.5	91.1	91.3	93.1	94.2	94.2	96.1	96.1	97.5	99.6
66.4	80.3	82.7	84.2	86.3	87.4	90.2	91.1	91.3	93.1	94.2	94.2	96.1	96.3	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 316

USAF MAC 73-81 14-5 OF 14 14-5 OF 14 14-5 OF 14 14-5 OF 14

73-51

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12-1-1,22

60.7	60.5	60.3	60.1	59.9	59.7	59.5	59.3	59.1	58.9	58.7	58.5	58.3	58.1	57.9	57.7	57.5	57.3	57.1	56.9	56.7	56.5	56.3	56.1	55.9	55.7	55.5	55.3	55.1	54.9	54.7	54.5	54.3	54.1	53.9	53.7	53.5	53.3	53.1	52.9	52.7	52.5	52.3	52.1	51.9	51.7	51.5	51.3	51.1	50.9	50.7	50.5	50.3	50.1	49.9	49.7	49.5	49.3	49.1	48.9	48.7	48.5	48.3	48.1	47.9	47.7	47.5	47.3	47.1	46.9	46.7	46.5	46.3	46.1	45.9	45.7	45.5	45.3	45.1	44.9	44.7	44.5	44.3	44.1	43.9	43.7	43.5	43.3	43.1	42.9	42.7	42.5	42.3	42.1	41.9	41.7	41.5	41.3	41.1	40.9	40.7	40.5	40.3	40.1	39.9	39.7	39.5	39.3	39.1	38.9	38.7	38.5	38.3	38.1	37.9	37.7	37.5	37.3	37.1	36.9	36.7	36.5	36.3	36.1	35.9	35.7	35.5	35.3	35.1	34.9	34.7	34.5	34.3	34.1	33.9	33.7	33.5	33.3	33.1	32.9	32.7	32.5	32.3	32.1	31.9	31.7	31.5	31.3	31.1	30.9	30.7	30.5	30.3	30.1	29.9	29.7	29.5	29.3	29.1	28.9	28.7	28.5	28.3	28.1	27.9	27.7	27.5	27.3	27.1	26.9	26.7	26.5	26.3	26.1	25.9	25.7	25.5	25.3	25.1	24.9	24.7	24.5	24.3	24.1	23.9	23.7	23.5	23.3	23.1	22.9	22.7	22.5	22.3	22.1	21.9	21.7	21.5	21.3	21.1	20.9	20.7	20.5	20.3	20.1	19.9	19.7	19.5	19.3	19.1	18.9	18.7	18.5	18.3	18.1	17.9	17.7	17.5	17.3	17.1	16.9	16.7	16.5	16.3	16.1	15.9	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3	12.1	11.9	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.5	0.3	0.1	0.0
50.7	50.5	50.3	50.1	49.9	49.7	49.5	49.3	49.1	48.9	48.7	48.5	48.3	48.1	47.9	47.7	47.5	47.3	47.1	46.9	46.7	46.5	46.3	46.1	45.9	45.7	45.5	45.3	45.1	44.9	44.7	44.5	44.3	44.1	43.9	43.7	43.5	43.3	43.1	42.9	42.7	42.5	42.3	42.1	41.9	41.7	41.5	41.3	41.1	40.9	40.7	40.5	40.3	40.1	39.9	39.7	39.5	39.3	39.1	38.9	38.7	38.5	38.3	38.1	37.9	37.7	37.5	37.3	37.1	36.9	36.7	36.5	36.3	36.1	35.9	35.7	35.5	35.3	35.1	34.9	34.7	34.5	34.3	34.1	33.9	33.7	33.5	33.3	33.1	32.9	32.7	32.5	32.3	32.1	31.9	31.7	31.5	31.3	31.1	30.9	30.7	30.5	30.3	30.1	29.9	29.7	29.5	29.3	29.1	28.9	28.7	28.5	28.3	28.1	27.9	27.7	27.5	27.3	27.1	26.9	26.7	26.5	26.3	26.1	25.9	25.7	25.5	25.3	25.1	24.9	24.7	24.5	24.3	24.1	23.9	23.7	23.5	23.3	23.1	22.9	22.7	22.5	22.3	22.1	21.9	21.7	21.5	21.3	21.1	20.9	20.7	20.5	20.3	20.1																																																																																																																																																							

TOTAL NUMBER OF OBSERVATIONS _____ 22

U.S. DEPARTMENT OF JUSTICE

FAA DISTRICT OFFICE - PHOENIX
 1. A. H. 1. SERVICE / FAC

CEILING VERSUS VISIBILITY

2. A. H. 1. SERVICE / FAC

75-51

281

PERCENTAGE FREQUENCY OF OBSERVATIONS
 FROM HOURLY OBSERVATIONS

21 1-1955

64.5	61.0	59.8	64.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
64.4	62.9	62.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
63.3	63.0	63.0	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
63.5	63.1	63.7	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
63.5	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
63.2	65.1	65.2	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
63.5	65.9	65.7	65.3	65.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
64.2	70.0	70.1	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
65.6	71.7	71.2	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
66.1	71.9	71.9	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
66.1	72.0	72.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
66.5	72.9	73.7	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
66.2	74.3	74.2	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
67.4	74.3	74.6	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
67.5	75.3	76.1	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
67.5	77.5	77.9	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
67.5	78.7	79.1	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
71.7	79.9	80.3	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
71.4	80.3	80.7	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
72.5	82.7	83.1	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
74.1	85.1	85.6	85.9	85.9	85.9	85.9	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
74.5	86.7	87.5	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
74.5	87.1	87.8	88.7	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
74.5	87.8	88.7	89.4	90.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
74.5	88.4	89.4	90.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
74.5	89.8	89.9	91.5	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
74.9	89.1	90.0	92.2	92.7	92.7	92.7	92.7	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
74.9	89.3	90.4	93.1	93.9	93.9	93.9	94.4	94.9	94.9	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
74.9	89.3	90.4	93.2	94.2	94.2	94.2	94.8	95.3	95.3	95.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
74.9	89.3	90.4	93.2	94.2	94.2	94.2	95.1	95.7	95.7	95.7	97.4	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1
74.9	89.3	90.4	93.2	94.3	94.3	94.3	95.3	95.9	95.9	95.9	97.5	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7
74.9	89.3	90.4	93.2	94.3	94.3	94.3	95.3	95.9	95.9	95.9	97.5	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 522

1. A. H. 1. SERVICE / FAC

2. A. H. 1. SERVICE / FAC

22-24

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PROPERTY FRIENDS OF OLIVER
 POOL HALL ORGANIZATION

و

[illegible]

TOTAL NUMBER OF OBSERVATIONS 2571

CEILING VERSUS VISIBILITY

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 10

CLIMATE BRANCH
FEDERAL BUREAU OF SURVEILLANCE

CEILING VERSUS VISIBILITY

WALL HOBBS IAP, OK

75-51

801

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1530

49.3	55.1	51.9	55.7	57.6	57.5	59.3	54.7	54.7	59.3	59.2	59.2	54.3	59.4	54.5	59.5
52.4	58.4	54.9	55.5	57.8	59.3	51.4	51.3	51.3	52.2	52.4	52.4	52.5	52.2	52.7	53.1
52.5	56.1	54.9	59.8	57.8	57.8	51.4	51.8	51.4	52.2	52.4	52.4	52.5	52.5	52.7	53.1
52.4	56.1	54.9	59.8	57.8	57.8	51.4	51.3	51.3	52.2	52.4	52.4	52.5	52.5	52.7	53.1
53.2	56.4	57.6	57.2	51.2	51.2	51.5	52.2	52.7	52.6	52.7	52.7	52.7	53.2	53.1	53.5
53.3	59.4	57.4	51.3	52.2	52.2	52.9	53.3	53.3	53.7	53.8	53.8	53.9	54.1	54.2	54.6
53.3	55.5	51.4	52.5	53.4	53.4	54.1	54.5	54.5	54.9	55.1	55.3	55.1	55.3	55.4	55.8
53.4	55.5	51.7	52.6	53.5	53.5	54.2	54.6	54.6	55.1	55.1	55.1	55.3	55.4	55.5	55.9
53.6	51.4	52.4	53.5	54.2	54.2	54.9	55.3	55.3	55.7	55.8	55.8	55.9	56.1	56.2	56.6
53.7	51.5	52.5	53.4	54.3	54.3	55.0	55.4	55.4	55.8	55.9	55.9	56.1	56.2	56.3	56.7
53.7	51.7	52.5	53.5	54.5	54.5	55.1	55.5	55.5	55.9	56.1	56.1	56.2	56.3	56.4	56.8
53.8	52.2	53.1	54.1	55.0	55.0	55.7	56.1	56.1	56.4	56.5	56.5	56.7	56.8	57.1	57.4
53.7	52.7	53.9	55.3	55.9	55.9	56.6	57.2	57.2	57.4	57.5	57.5	57.5	57.8	57.9	58.3
53.9	53.1	54.2	55.3	56.2	56.2	56.8	57.2	57.2	57.5	57.8	57.8	57.9	58.2	58.2	58.6
53.8	53.5	54.7	55.8	56.7	56.7	57.4	57.8	57.8	58.2	58.3	58.3	58.4	58.5	58.7	59.1
53.7	54.1	55.3	56.3	57.2	57.2	57.9	58.3	58.3	58.7	58.8	58.8	59.1	59.1	59.2	59.6
53.9	55.3	57.7	58.4	59.6	59.6	70.3	70.7	71.1	71.2	71.2	71.2	71.3	71.5	71.6	72.0
53.1	57.4	59.8	70.3	71.2	71.2	71.9	72.3	72.3	72.7	72.8	72.8	72.9	73.1	73.2	73.6
53.9	56.3	57.7	71.9	72.1	72.1	72.8	73.2	73.2	73.6	73.7	73.7	73.8	74.1	74.1	74.5
51.3	59.7	71.7	72.5	73.7	73.7	74.4	74.8	74.4	75.2	75.3	75.3	75.4	75.6	75.7	76.1
53.3	73.3	75.1	76.5	77.7	77.7	78.7	79.3	79.4	79.5	79.9	79.9	80.1	80.7	80.7	81.7
53.3	74.3	76.6	78.2	79.4	79.4	80.7	81.2	81.4	81.8	81.9	81.9	82.0	82.2	82.3	82.7
53.3	75.2	77.1	78.9	80.3	80.3	81.9	82.4	82.6	83.0	83.1	83.1	83.2	83.4	83.5	83.9
53.4	75.4	77.5	79.5	81.2	81.2	82.6	83.4	83.6	84.0	84.3	84.3	84.4	84.5	84.7	85.1
53.4	76.2	78.7	81.2	83.0	83.0	84.5	85.2	85.5	85.9	86.1	86.1	86.3	86.4	86.5	86.9
53.4	76.5	79.3	82.2	84.1	84.1	86.2	86.9	87.2	87.5	87.8	87.8	88.0	88.1	88.2	88.6
53.4	76.5	77.4	83.0	84.9	84.9	87.1	88.1	89.2	89.3	89.6	89.6	89.7	89.9	90.0	90.4
53.4	76.5	79.4	83.2	85.6	85.6	88.1	90.0	90.6	91.5	92.3	92.3	92.5	92.6	92.7	93.1
53.4	76.5	79.4	83.2	86.0	86.0	88.8	91.1	91.4	93.3	94.8	94.8	95.0	95.1	95.2	95.6
53.4	76.5	79.4	83.2	86.0	86.0	88.8	91.4	92.1	94.2	95.2	95.2	95.3	96.1	96.3	96.6
53.4	76.5	79.4	83.2	86.0	86.0	88.8	91.4	92.1	94.2	95.2	95.2	95.8	96.2	96.7	96.8
53.4	76.5	79.4	83.2	86.0	86.0	88.8	91.4	92.1	94.2	95.2	95.2	95.8	96.2	96.8	97.0

TOTAL NUMBER OF OBSERVATIONS 757

100-302125-4

72-51

36

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

912-1122

[illegible]TOTAL NUMBER OF OBSERVATIONS 750

U.S. AIR FORCE CLIMATOLOGY BRANCH
 1957 TAC
 1957 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WIND: WIND SQUARE TAP, OK

73-01

824

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1200-1400

44.5	54.7	54.9	54.9	55.1	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3
55.7	51.7	62.1	62.1	62.2	62.2	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
55.7	61.7	57.1	62.1	57.2	62.2	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
55.7	52.1	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
55.3	62.5	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5
55.1	55.7	66.1	66.1	66.2	66.2	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
55.5	57.5	63.1	64.1	64.2	66.2	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
55.5	67.5	68.1	67.1	66.2	66.2	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
55.3	58.2	64.4	64.9	64.7	64.7	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
55.1	55.4	64.9	67.3	69.1	69.1	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
55.4	56.5	69.1	69.3	69.4	69.4	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8
51.2	69.5	7.1	71.2	71.3	71.3	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7
51.2	69.8	7.5	71.6	71.7	71.7	71.9	71.9	71.9	71.9	71.1	71.1	71.1	71.1	71.1	71.1
51.2	69.8	7.5	71.6	71.9	71.9	71.1	71.1	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3
51.3	71.2	7.9	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7
51.7	71.1	71.3	71.9	72.6	72.6	72.9	72.9	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1
51.1	71.3	72.5	72.6	73.3	73.3	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7
52.4	73.5	74.3	74.5	75.1	75.1	75.5	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7
53.4	74.3	75.3	75.4	75.2	75.2	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7
54.4	77.1	79.6	79.7	79.8	79.9	80.5	80.5	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7
54.5	79.1	81.1	81.6	82.6	83.1	84.3	84.3	84.3	84.3	84.2	84.2	84.2	84.2	84.2	84.2
54.5	79.5	81.5	82.8	84.4	84.8	85.5	86.2	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6
54.5	8.5	82.5	84.4	86.2	86.6	87.6	88.0	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4
54.5	81.1	83.5	85.4	87.1	87.5	88.6	89.0	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4
54.5	81.5	83.2	85.8	87.6	88.0	89.2	89.8	89.8	90.2	90.3	90.3	90.3	90.3	90.3	90.3
54.5	81.5	84.1	86.2	88.7	88.7	91.2	91.5	91.5	92.3	92.4	92.4	92.4	92.4	92.4	92.4
54.5	81.8	84.3	86.6	88.7	89.4	91.1	92.7	93.0	93.9	94.1	94.1	94.1	94.1	94.1	94.1
54.5	81.8	84.3	86.6	89.0	89.8	92.0	94.0	94.4	95.7	96.1	96.1	96.4	96.4	96.4	96.4
54.5	81.8	84.3	86.6	89.0	89.8	92.0	94.0	94.4	96.1	96.9	96.9	97.9	97.9	97.9	97.9
54.5	81.8	84.3	86.6	89.0	89.8	92.0	94.0	94.4	96.5	97.6	97.6	98.9	98.9	99.1	99.1
54.5	81.8	84.3	86.6	89.0	89.8	92.0	94.0	94.4	96.5	97.6	97.6	98.9	98.9	99.5	99.7
54.5	81.8	84.3	86.6	89.0	89.8	92.0	94.0	94.4	96.5	97.6	97.6	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 752

ALL CLIMATELOGY BRANCH
THE
AIRLINE SERVICE / 1940

CEILING VERSUS VISIBILITY

WILL COVER LAP OF

73-51

131

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

100-1172

[illegible]TOTAL NUMBER OF OBSERVATIONS 751

546 674 700 726 752 778 804 830 856 882 908 934 960 986 1012 1038 1064 1090 1116 1142 1168 1194 1220 1246 1272 1298 1324 1350 1376 1402 1428 1454 1480 1506 1532 1558 1584 1610 1636 1662 1688 1714 1740 1766 1792 1818 1844 1870 1896 1922 1948 1974 2000 2026 2052 2078 2104 2130 2156 2182 2208 2234 2260 2286 2312 2338 2364 2390 2416 2442 2468 2494 2520 2546 2572 2598 2624 2650 2676 2702 2728 2754 2780 2806 2832 2858 2884 2910 2936 2962 2988 3014 3040 3066 3092 3118 3144 3170 3196 3222 3248 3274 3300 3326 3352 3378 3404 3430 3456 3482 3508 3534 3560 3586 3612 3638 3664 3690 3716 3742 3768 3794 3820 3846 3872 3898 3924 3950 3976 4002 4028 4054 4080 4106 4132 4158 4184 4210 4236 4262 4288 4314 4340 4366 4392 4418 4444 4470 4496 4522 4548 4574 4600 4626 4652 4678 4704 4730 4756 4782 4808 4834 4860 4886 4912 4938 4964 4990 5016 5042 5068 5094 5120 5146 5172 5198 5224 5250 5276 5302 5328 5354 5380 5406 5432 5458 5484 5510 5536 5562 5588 5614 5640 5666 5692 5718 5744 5770 5796 5822 5848 5874 5900 5926 5952 5978 6004 6030 6056 6082 6108 6134 6160 6186 6212 6238 6264 6290 6316 6342 6368 6394 6420 6446 6472 6498 6524 6550 6576 6602 6628 6654 6680 6706 6732 6758 6784 6810 6836 6862 6888 6914 6940 6966 6992 7018 7044 7070 7096 7122 7148 7174 7200 7226 7252 7278 7304 7330 7356 7382 7408 7434 7460 7486 7512 7538 7564 7590 7616 7642 7668 7694 7720 7746 7772 7798 7824 7850 7876 7902 7928 7954 7980 8006 8032 8058 8084 8110 8136 8162 8188 8214 8240 8266 8292 8318 8344 8370 8396 8422 8448 8474 8500 8526 8552 8578 8604 8630 8656 8682 8708 8734 8760 8786 8812 8838 8864 8890 8916 8942 8968 8994 9020 9046 9072 9098 9124 9150 9176 9202 9228 9254 9280 9306 9332 9358 9384 9410 9436 9462 9488 9514 9540 9566 9592 9618 9644 9670 9696 9722 9748 9774 9800 9826 9852 9878 9904 9930 9956 9982 10008 10034 10060 10086 10112 10138 10164 10190 10216 10242 10268 10294 10320 10346 10372 10398 10424 10450 10476 10502 10528 10554 10580 10606 10632 10658 10684 10710 10736 10762 10788 10814 10840 10866 10892 10918 10944 10970 10996 11022 11048 11074 11100 11126 11152 11178 11204 11230 11256 11282 11308 11334 11360 11386 11412 11438 11464 11490 11516 11542 11568 11594 11620 11646 11672 11698 11724 11750 11776 11802 11828 11854 11880 11906 11932 11958 11984 12010 12036 12062 12088 12114 12140 12166 12192 12218 12244 12270 12296 12322 12348 12374 12400 12426 12452 12478 12504 12530 12556 12582 12608 12634 12660 12686 12712 12738 12764 12790 12816 12842 12868 12894 12920 12946 12972 12998 13024 13050 13076 13102 13128 13154 13180 13206 13232 13258 13284 13310 13336 13362 13388 13414 13440 13466 13492 13518 13544 13570 13596 13622 13648 13674 13700 13726 13752 13778 13804 13830 13856 13882 13908 13934 13960 13986 14012 14038 14064 14090 14116 14142 14168 14194 14220 14246 14272 14298 14324 14350 14376 14402 14428 14454 14480 14506 14532 14558 14584 14610 14636 14662 14688 14714 14740 14766 14792 14818 14844 14870 14896 14922 14948 14974 15000 15026 15052 15078 15104 15130 15156 15182 15208 15234 15260 15286 15312 15338 15364 15390 15416 15442 15468 15494 15520 15546 15572 15598 15624 15650 15676 15702 15728 15754 15780 15806 15832 15858 15884 15910 15936 15962 15988 16014 16040 16066 16092 16118 16144 16170 16196 16222 16248 16274 16300 16326 16352 16378 16404 16430 16456 16482 16508 16534 16560 16586 16612 16638 16664 16690 16716 16742 16768 16794 16820 16846 16872 16898 16924 16950 16976 17002 17028 17054 17080 17106 17132 17158 17184 17210 17236 17262 17288 17314 17340 17366 17392 17418 17444 17470 17496 17522 17548 17574 17600 17626 17652 17678 17704 17730 17756 17782 17808 17834 17860 17886 17912 17938 17964 17990 18016 18042 18068 18094 18120 18146 18172 18198 18224 18250 18276 18302 18328 18354 18380 18406 18432 18458 18484 18510 18536 18562 18588 18614 18640 18666 18692 18718 18744 18770 18796 18822 18848 18874 18900 18926 18952 18978 19004 19030 19056 19082 19108 19134 19160 19186 19212 19238 19264 19290 19316 19342 19368 19394 19420 19446 19472 19498 19524 19550 19576 19602 19628 19654 19680 19706 19732 19758 19784 19810 19836 19862 19888 19914 19940 19966 1999

73-01

WILL ROGERS IAP OK

55.

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

18-2-2,22

57.1	57.7	59.9	63.2	60.4	59.5	60.7	60.7	60.7	60.8	60.8	60.8	61.8	61.8	61.8	61.8	61.8	61.8
57.3	57.6	57.7	60.1	60.4	60.5	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
57.5	57.6	57.7	60.1	60.4	60.5	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
57.8	57.6	57.7	60.1	60.4	60.5	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
57.8	57.9	60.1	60.4	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
58.3	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
58.1	70.0	70.2	70.5	70.8	71.9	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
58.3	70.5	70.9	71.0	71.3	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
58.4	71.2	71.4	71.7	72.0	72.1	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
58.7	71.1	72.4	72.6	72.9	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
58.8	73.1	73.4	73.7	73.9	74.1	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
59.2	74.3	74.5	74.9	75.1	75.3	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
59.8	74.7	75.1	75.3	75.5	75.7	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
59.2	75.3	75.5	75.9	76.1	76.2	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
59.4	75.7	75.9	76.2	76.5	76.6	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
59.5	75.9	77.1	77.4	77.6	77.8	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
59.6	77.3	77.7	78.3	78.7	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
59.7	77.1	78.5	79.6	80.3	80.4	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
59.7	80.5	81.1	81.3	81.9	82.0	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
59.7	82.3	83.1	83.9	84.8	84.9	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
59.8	83.5	84.4	85.2	86.4	86.6	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
59.8	84.5	85.1	86.9	88.2	88.5	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
59.8	85.2	86.7	87.3	88.8	89.1	90.1	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
59.8	85.3	86.4	87.7	89.2	89.5	90.7	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
59.8	85.6	86.6	88.1	90.1	90.5	92.3	93.1	93.1	93.3	93.3	93.3						

TOTAL NUMBER OF OBSERVATIONS 756

CEILING VERSUS VISIBILITY

WILL ROBERT DAD OK

73-71

350

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

44-38861-10

64.9	61.8	62.4	63.6	63.9	63.7	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
64.2	67.7	68.2	69.2	69.7	69.7	69.9	69.9	70.0	70.0	70.2	70.2	70.3	70.3	70.4	70.4	70.4
64.6	67.7	68.7	69.5	69.7	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.3	70.3	70.4	70.4	70.4
64.8	67.7	68.3	69.5	69.7	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.3	70.3	70.4	70.4	70.4
64.7	69.0	69.9	69.7	70.0	70.0	70.1	70.1	70.3	70.3	70.3	70.3	70.5	70.5	70.7	70.7	70.7
65.1	69.2	69.7	71.0	71.2	71.2	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.9	71.9	71.9
65.2	69.3	69.9	71.1	71.4	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.9	71.9	72.2	72.2	72.2
65.5	70.3	70.8	72.0	72.3	72.3	72.4	72.4	72.6	72.6	72.6	72.6	72.8	72.8	73.0	73.0	73.0
65.7	70.8	71.4	72.6	72.8	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.4	73.4	73.5	73.5	73.5
65.8	71.8	72.3	73.5	73.8	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.3	74.3	74.4	74.4	74.4
65.4	72.0	73.5	74.7	75.0	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.5	75.5	75.6	75.6	75.6
65.1	73.3	74.4	75.6	75.9	75.9	76.0	76.0	76.2	76.2	76.2	76.2	76.4	76.4	76.6	76.6	76.6
65.6	74.4	75.1	76.3	76.7	76.7	76.8	76.8	77.0	77.0	77.0	77.0	77.2	77.2	77.4	77.4	77.4
65.7	75.5	76.2	77.4	77.9	77.9	78.0	78.0	78.2	78.2	78.2	78.2	78.4	78.4	78.6	78.6	78.6
65.3	77.8	78.4	79.7	80.2	80.2	80.3	80.3	80.5	80.5	80.5	80.5	80.7	80.7	80.9	80.9	80.9
65.0	76.8	79.0	80.7	81.3	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.8	81.8	81.9	81.9	81.9
64.3	79.9	80.7	81.9	82.5	82.5	82.6	82.6	82.7	82.7	82.7	82.7	83.0	83.0	83.1	83.1	83.1
64.0	80.6	81.5	82.7	83.3	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.8	83.8	83.9	83.9	83.9
64.7	81.0	82.2	83.4	83.9	83.9	84.2	84.2	84.3	84.3	84.3	84.3	84.6	84.6	84.7	84.7	84.7
65.5	82.9	84.2	85.7	86.2	86.2	86.5	86.5	86.6	86.6	86.7	86.7	87.0	87.0	87.1	87.1	87.1
66.1	84.2	85.9	87.0	88.2	88.2	88.5	88.5	88.6	88.6	88.8	88.8	89.1	89.1	89.2	89.2	89.2
66.8	84.5	86.5	87.5	89.0	89.0	89.8	89.8	90.0	90.0	90.1	90.1	90.4	90.4	90.5	90.5	90.5
66.2	85.5	87.4	89.0	90.6	90.6	91.4	91.4	91.6	91.6	91.6	91.7	92.0	92.0	92.1	92.1	92.1
66.3	85.7	87.7	90.5	91.6	91.6	92.4	92.4	92.5	92.5	92.6	92.6	92.9	92.9	93.0	93.0	93.0
66.3	85.7	87.8	91.0	92.5	92.5	93.3	93.4	93.6	93.7	93.8	93.8	94.1	94.1	94.2	94.2	94.2
66.3	85.8	88.5	92.5	93.6	93.6	94.6	94.9	95.0	95.3	95.4	95.4	95.9	95.9	96.0	96.0	96.0
66.3																

TOTAL NUMBER OF OBSERVATIONS 747

SAFETA 7-14-50 101-0517-1 101-0517-1 101-0517-1

CEILING VERSUS VISIBILITY

ALL HOURS 1AP 5K

75-51

2.4.

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

[illegible]TOTAL NUMBER OF OBSERVATIONS 6607

SAD FOR THE FIRST TIME IN 20 YEARS, A NEW YORK CITY POLICE OFFICER HAS BEEN KILLED BY AN ARAB BOY.

73-51

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOLES OBSERVATIONS

94-
100-1000

[illegible]TOTAL NUMBER OF OBSERVATIONS 23

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

2

1. *Phragmites* (common)

TOTAL NUMBER OF OBSERVATIONS 11

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM FORTY OBSERVATIONS

10-2-2015

[illegible]

TOTAL NUMBER OF OBSERVATIONS _____ 29

1. *Chlorophyll a* (Chl *a*) and *Chlorophyll b* (Chl *b*) were determined using a spectrophotometer (Shimadzu UV-1601) at 663 nm and 646 nm, respectively. The concentrations of Chl *a* and Chl *b* were calculated using the following equations:

CEILING VERSUS VISIBILITY

WILLIAMS, J. D., JR. 1962.

73-01

24

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOLY OBSERVATIONS

7-5-2124

[illegible]

TOTAL NUMBER OF OBSERVATIONS _____ 622

1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 26

[illegible]

100

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1. *Chlorophyll *a** and *Chlorophyll *b** were determined by the method of Arar and Collins (1971).

1000

[illegible]TOTAL NUMBER OF OBSERVATIONS 22

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

55-543

[illegible]TOTAL NUMBER OF OBSERVATIONS 797

U.S. AIR FORCE CLIMATE DIVISION
 STAG
 METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION: WILLIAMS FLD, ARIZ.

75-63

887

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1950-1951

63.7	67.7	67.7	67.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.7	67.7	67.8	67.9
61.4	65.2	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
61.4	65.2	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
61.4	65.2	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
61.4	65.2	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
62.1	66.3	66.1	66.1	67.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
64.5	64.7	64.4	64.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
65.1	65.2	65.3	65.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
66.7	71.4	71.5	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
67.8	71.3	72.6	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
67.7	73.4	71.4	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
71.9	70.2	75.5	75.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
72.4	75.1	75.5	75.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
73.9	74.4	74.5	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
81.7	81.3	81.7	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
75.6	81.5	82.4	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
75.3	82.9	83.4	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
77.9	84.5	85.3	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
78.0	85.1	85.6	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
81.5	85.4	88.2	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
81.5	89.1	89.5	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
91.1	91.3	91.7	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
91.5	91.5	92.2	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
91.5	91.8	92.5	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
91.5	92.8	94.7	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
91.5	93.5	94.6	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
91.5	94.0	95.5	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
91.5	94.0	95.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
91.5	94.0	95.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
91.5	94.0	95.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
91.5	94.0	95.7	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 782

USAF FORM 10-54 (REV. 1-54) (THIS FORM IS OBSOLETE)

U.S. AIR FORCE CLIMATE DIVISION
 WILLOW
 AIRCRAFT SERVICE/MAO

CEILING VERSUS VISIBILITY

WILLOW FIELD, IAP, OK

73-61

825

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1940-1950

40.1	51.9	55.1	58.2	59.6	59.8	55.7	59.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
44.1	51.7	52.2	52.6	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
44.7	61.8	62.3	62.7	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
44.2	62.2	62.7	63.1	63.7	63.7	63.3	63.8	63.3	63.3	63.3	64.2	64.2	64.2	64.1	64.1	64.1	64.2	64.2	64.5
45.1	62.5	63.1	63.3	64.1	64.3	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.5	64.7	
44.4	64.0	64.5	65.3	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
45.6	66.2	66.3	67.3	68.0	68.3	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.5	68.7	
42.1	66.5	67.2	67.7	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
41.7	67.7	68.3	68.8	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
41.3	68.1	69.1	69.7	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
41.7	69.1	69.7	70.3	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.4	71.7	
42.1	71.4	71.2	71.8	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8
42.6	71.3	72.2	72.8	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.9	74.2	
43.1	71.8	72.7	73.3	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.7	
43.5	72.3	73.7	74.3	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.4	75.7	
44.3	73.7	74.7	75.4	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.5	76.6	
45.2	76.2	77.2	77.9	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	79.1	79.1	79.1	79.2	79.4	
47.5	78.6	79.5	80.4	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.3	
48.1	79.4	80.4	81.3	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.7	82.7	82.7	82.8	82.8	82.8	82.9	83.2	
49.1	81.4	82.5	83.5	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.2	85.4	
49.3	83.7	85.2	86.2	87.2	87.3	87.5	87.5	87.5	87.5	87.5	87.7	87.7	87.7	87.8	87.8	87.8	87.9	88.0	
51.2	85.7	87.3	88.4	89.4	89.5	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.3	90.5	
51.2	86.2	87.9	89.2	90.3	90.4	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.3	91.5	
51.3	88.4	89.2	89.5	90.6	90.8	91.3	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.8	91.8	91.8	91.9	92.1	
51.5	87.3	89.2	90.6	91.8	91.9	92.4	92.8	92.8	92.8	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.1	93.4	
51.8	86.4	90.4	91.9	93.1	93.3	94.3	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.8	94.8	94.8	94.9	95.1	
51.8	88.7	90.9	92.8	94.1	94.3	95.3	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.5	96.8	
51.9	88.8	91.1	93.3	94.6	94.8	96.3	97.0	97.3	97.6	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.4	
51.9	88.8	91.1	93.3	94.6	94.8	96.3	97.5	97.9	98.5	98.8	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.3	
51.9	88.8	91.1	93.3	94.6	94.8	96.3	97.5	97.9	98.5	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.4	99.5	
51.9	88.8	91.1	93.3	94.6	94.8	96.3	97.5	97.9	98.5	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.4	99.5	

TOTAL NUMBER OF OBSERVATIONS 822

U.S. AIR FORCE CLIMATOLOGY BRANCH
ETAC
AT-4 SERVICE/401

CEILING VERSUS VISIBILITY

WALL HOURS IAP OR

75-01

82-

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1950-1959

62.7	63.9	67.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
64.7	64.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
64.7	64.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
64.7	64.4	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
64.3	64.5	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
64.3	65.0	64.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
61.5	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
61.5	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
62.3	64.9	69.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
63.5	70.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
63.6	71.7	71.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
65.4	71.2	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
64.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
64.4	72.7	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
64.7	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
65.4	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
65.7	74.1	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
67.6	79.8	81.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
71.1	81.6	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
72.4	85.1	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
73.4	86.1	89.9	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
73.9	89.3	91.3	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
73.9	91.4	91.5	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
74.0	93.9	92.2	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
74.1	91.4	92.3	93.9	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
74.1	91.7	93.2	94.7	95.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
74.1	91.7	93.3	94.8	95.5	95.7	96.7	97.0	97.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
74.1	91.7	93.4	94.4	95.6	95.6	97.2	97.7	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
74.1	91.7	93.8	95.3	96.1	96.3	97.7	98.4	98.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
74.1	91.7	93.9	95.3	96.1	96.3	97.9	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
74.1	91.7	93.9	95.3	96.1	96.3	97.9	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
74.1	91.7	93.9	95.3	96.1	96.3	97.9	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 792

USAF ETAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

15-21

12

44-38861-100

[illegible]TOTAL NUMBER OF OBSERVATIONS 799[illegible]

[illegible]

CEILING VERSUS VISIBILITY

100-2-1120

7-51

42

THE UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

11-2-43-

[illegible]TOTAL NUMBER OF OBSERVATIONS 795

Source: *U.S. Census Bureau, Statistical Abstract of the United States, 1997*.

6-2 122 10

- 2 - 31

2.

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 250 million to 450 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

100

TOTAL NUMBER OF OBSERVATIONS 112

AD-A128 108 WILL ROGERS IAP OKLAHOMA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 27 OCT 82
UNCLASSIFIED USAFETAC/DS-82/057 SBI-AD-E850 357 F/G 4/2

WILL ROGERS IAP OKLAHOMA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 27 OCT 82
USAFETAC/DS-82/057 SBI-AD-EB50 357 F/G 4/2

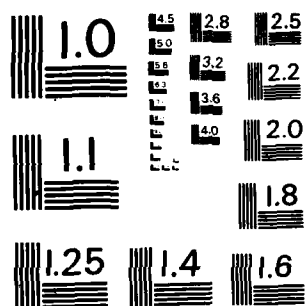
3/6

UNCLASSIFIED

F/G 4/2

NI

A 10x10 grid of squares. The top-left square is missing, creating a stepped shape. The grid consists of 10 rows and 10 columns. The first row has 9 squares (columns 2-10). The second row has 10 squares (columns 1-10). The third row has 10 squares (columns 1-10). The fourth row has 10 squares (columns 1-10). The fifth row has 10 squares (columns 1-10). The sixth row has 10 squares (columns 1-10). The seventh row has 10 squares (columns 1-10). The eighth row has 10 squares (columns 1-10). The ninth row has 10 squares (columns 1-10). The tenth row has 10 squares (columns 1-10).



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

CEILING VERSUS VISIBILITY

12 03 WILL ROGERS IAP OK

73-61

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

1621-1622

1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 26

	35.1	42.9	44.3	45.2	46.5	46.5	47.2	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.8	48.4
	41.2	50.2	51.9	53.3	54.6	54.6	55.3	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.9	56.5
5000	41.3	50.1	52.1	53.4	54.7	54.7	55.4	55.7	55.7	55.9	55.9	55.9	55.9	55.9	56.1	56.7
4000	41.3	50.2	52.2	53.5	54.8	54.8	55.6	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.2	56.8
3000	41.5	50.5	52.4	53.8	55.1	55.1	55.8	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.4	57.0
2000	44.1	53.1	55.2	56.5	58.0	58.0	58.7	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.3	59.9
1000	47.3	57.4	59.4	61.0	62.5	62.5	63.2	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.8	64.4
5000	49.1	58.4	60.4	62.0	63.4	63.4	64.2	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.8	65.4
4000	49.9	61.0	63.1	64.6	66.2	66.2	66.9	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.6	68.2
3000	50.7	62.0	64.2	65.7	67.3	67.3	68.0	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.6	69.2
2000	50.8	62.3	64.5	66.2	67.8	67.8	68.5	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.1	69.7
1000	52.5	64.4	66.7	68.5	70.1	70.1	70.8	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.4	72.0
5000	53.9	66.1	68.5	70.3	71.9	72.0	72.8	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.3	74.0
4000	54.1	66.3	68.9	70.7	72.3	72.4	73.1	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.7	74.3
3000	54.2	66.9	69.6	71.4	73.0	73.1	73.8	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.5	75.1
2000	54.5	67.8	70.6	72.6	74.2	74.3	75.1	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.7	76.3
1000	56.4	70.2	73.1	75.2	76.8	76.9	77.6	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.2	78.8
5000	57.4	71.8	75.1	77.1	78.7	78.8	79.5	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.1	80.8
4000	58.0	72.6	76.0	79.2	79.8	79.9	80.6	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.2	81.8
3000	58.7	74.1	77.7	79.9	81.5	81.6	82.3	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.9	83.5
2000	59.2	77.0	80.8	82.9	84.5	84.6	85.5	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.1	86.7
1000	60.5	78.6	82.4	85.0	86.7	86.9	87.8	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.4	89.0
5000	60.7	79.7	84.0	86.9	88.6	88.9	89.8	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.4	91.0
4000	61.1	80.8	85.1	88.0	89.8	90.4	91.6	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.5	93.1
3000	61.4	81.5	86.1	89.3	91.3	91.9	93.1	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.9	94.6
2000	61.4	81.8	86.6	90.3	92.5	93.1	94.6	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.5	96.1
1000	61.4	82.0	86.8	90.8	93.2	93.8	95.3	95.9	95.9	96.4	96.4	96.4	96.4	96.4	96.5	97.1
5000	61.4	82.2	87.3	91.8	94.3	94.9	96.5	97.5	97.5	97.9	97.9	97.9	97.9	97.9	98.1	98.7
4000	61.4	82.2	87.3	91.9	94.6	95.3	97.1	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.7	99.3
3000	61.4	82.2	87.4	92.0	94.7	95.4	97.2	98.2	98.2	98.7	98.8	98.8	98.8	98.8	99.1	99.6
2000	61.4	82.2	87.4	92.0	94.7	95.4	97.3	98.3	98.3	98.8	98.9	98.9	98.9	98.9	99.3	99.9
1000	61.4	82.2	87.4	92.0	94.7	95.4	97.3	98.3	98.3	98.8	98.9	98.9	98.9	98.9	99.3	99.9

TOTAL NUMBER OF OBSERVATIONS 826

USAF ETAC 0-14.5 (OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
JGAFETAC
AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

720330 WILL ROGERS IAP OK

73-01

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1922-1122

		VISIBILITY - STATUTE MILES															
		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11
1/2	41.0	46.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
3/4	51.4	50.4	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
1	51.4	50.4	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
1 1/4	51.5	60.5	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
1 1/2	62.6	61.9	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
2	55.1	64.7	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
2 1/2	55.2	65.7	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
3	57.3	68.1	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
3 1/4	58.4	69.2	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
3 1/2	58.5	69.5	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
4	59.4	70.7	71.5	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
4 1/4	60.1	72.1	72.8	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
4 1/2	60.5	72.7	73.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
5	60.6	72.8	73.5	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
5 1/4	61.2	74.8	75.5	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
5 1/2	63.6	77.7	78.5	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
6	66.1	82.9	83.6	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
6 1/4	66.7	84.4	85.1	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
6 1/2	68.3	86.8	87.6	88.6	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
7	69.1	88.9	90.1	91.1	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
7 1/4	69.7	90.2	91.3	92.5	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
7 1/2	69.9	91.8	92.7	93.4	94.3	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
8	69.9	91.5	93.1	94.8	95.8	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
8 1/4	69.9	91.8	93.4	95.4	96.8	96.9	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
8 1/2	69.9	92.4	94.2	96.7	98.3	98.5	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
9	69.9	92.6	94.5	97.0	98.6	99.0	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
9 1/4	69.9	92.6	94.6	97.2	98.8	99.5	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9 1/2	69.9	92.6	94.6	97.2	98.8	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
10	69.9	92.6	94.6	97.2	98.8	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
10 1/4	69.9	92.6	94.6	97.2	98.8	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
10 1/2	69.9	92.6	94.6	97.2	98.8	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 113

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72353

WILL ROGERS IAP OK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1-100	46.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
10-20	56.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
20-30	56.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
30-40	56.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
40-50	56.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
50-60	59.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
60-70	61.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
70-80	62.1	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
80-90	64.5	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
90-100	65.2	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
100-110	65.7	72.2	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
110-120	66.4	73.3	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
120-130	68.1	75.6	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
130-140	69.7	77.3	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
140-150	70.8	78.5	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
150-160	74.3	83.2	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
160-170	76.6	86.5	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
170-180	78.4	89.5	89.8	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
180-190	78.8	89.8	90.3	90.9	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
190-200	79.8	91.9	92.0	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
200-210	80.2	93.3	94.3	95.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
210-220	80.4	94.3	95.5	96.5	96.6	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
220-230	80.4	94.3	95.5	96.6	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
230-240	80.4	94.5	95.9	97.1	97.2	97.2	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
240-250	80.5	94.7	96.2	97.3	97.6	97.6	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
250-260	80.5	94.7	96.2	97.6	97.8	97.8	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
260-270	80.5	94.7	96.2	97.6	97.8	97.8	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2
270-280	80.5	94.7	96.2	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
280-290	80.5	94.7	96.2	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
290-300	80.5	94.7	96.2	97.7	97.9	97.9	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
300-310	80.6	94.8	96.4	97.8	98.1	98.1	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0
310-320	80.6	94.8	96.4	97.8	98.1	98.1	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 825

CEILING VERSUS VISIBILITY

2131 WILL ROGERS IAP OK

73-61

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

1509-1720

[illegible]TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23037 WILL ROGERS IAP OK

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1957-2000

UNIT OF STATEMENT																					
		20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96
1	FEET	55.5	60.5	67.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2	2000	63.8	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
3	1800	68.9	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
4	1600	65.9	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
5	1400	69.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
6	1200	71.1	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
7	1000	72.3	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
8	800	73.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
9	600	74.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
10	400	75.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
11	200	76.3	82.2	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
12	100	77.5	84.3	84.4	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
13	50	78.3	85.2	85.4	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
14	25	79.3	86.8	86.9	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
15	10	80.3	88.1	88.3	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
16	5	81.2	89.5	89.6	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
17	2	82.4	91.0	91.3	92.1	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
18	1	83.2	92.3	92.6	93.6	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
19	0.5	83.4	92.5	92.9	93.8	93.9	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
20	0.25	83.7	93.5	94.6	95.5	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
21	0.125	84.1	93.8	95.0	96.0	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
22	0.0625	84.1	94.2	95.4	96.5	96.6	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
23	0.03125	84.1	94.2	95.4	96.5	96.6	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
24	0.015625	84.3	94.6	95.8	96.9	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
25	0.0078125	84.3	94.9	96.1	97.2	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
26	0.00390625	84.4	95.2	96.4	97.5	97.6	97.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
27	0.001953125	84.5	95.3	96.5	97.8	98.1	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
28	0.0009765625	84.6	95.4	96.6	97.9	98.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
29	0.00048828125	84.7	95.5	96.7	98.1	98.3	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
30	0.000244140625	84.7	95.5	96.7	98.1	98.3	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
31	0.0001220703125	84.7	95.5	96.7	98.1	98.3	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
32	0.00006103515625	84.7	95.5	96.7	98.1	98.3	98.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 826

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-037 WILL ROGERS IAP OK

73-01

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

USAF ETAC FORM 1-65 (REV. 1-65)																
CEILING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1000	59.2	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
900	56.5	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
800	56.5	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
700	67.0	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
600	69.2	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
500	71.5	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
400	71.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
300	72.6	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
200	73.3	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
100	73.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
50	74.7	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
20	76.1	85.1	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
10	76.4	85.4	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
5	76.7	85.9	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
2	77.5	87.1	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
1	78.6	89.0	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
0	78.9	90.3	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
0.5	79.0	90.4	90.7	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
0.2	79.8	92.1	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
0.1	80.3	93.3	93.9	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
0.05	80.5	93.8	94.8	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
0.02	80.6	94.2	95.1	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
0.01	80.9	94.4	95.5	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
0.005	81.0	94.6	95.7	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0.002	81.4	95.1	96.3	97.2	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
0.001	81.4	95.1	96.3	97.3	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0.0005	81.5	95.5	97.0	98.5	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
0.0002	81.6	95.6	97.1	98.7	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
0.0001	81.6	95.6	97.1	98.7	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
0.00005	81.6	95.6	97.1	98.7	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 821

USAF ETAC FORM 1-65 (REV. 1-65) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2203 WILL ROGERS IAP OK

73-01

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

		VISIBILITY STATISTICS															
		2	20	24	24	24	20	20	20	20	20	20	20	20	20	20	20
1000	1000	49.3	54.5	54.8	55.0	55.2	55.2	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6
1000	1000	55.3	65.0	65.4	65.7	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.2	66.2
1000	1000	54.3	65.0	65.5	65.7	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.2	66.2	66.3
1000	1000	53.3	65.0	65.5	65.7	65.9	65.9	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3
1000	1000	54.7	65.4	65.8	66.1	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.7
1000	1000	55.4	67.3	67.8	68.0	68.2	68.2	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.6
1000	1000	62.6	69.9	70.4	70.6	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2
1000	1000	63.1	70.6	71.1	71.3	71.5	71.5	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9
1000	1000	64.9	72.8	73.4	73.6	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.3
1000	1000	65.9	74.0	74.5	74.8	75.0	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4
1000	1000	66.2	74.3	74.9	75.2	75.4	75.4	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8	75.8
1000	1000	67.4	76.0	76.6	77.0	77.2	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.6
1000	1000	68.7	77.7	78.3	78.8	79.0	79.1	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.5
1000	1000	69.4	78.7	79.3	79.8	80.0	80.1	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.5
1000	1000	71.0	79.5	80.2	80.7	81.0	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.4
1000	1000	71.4	81.5	82.2	82.8	83.1	83.1	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.5	83.5
1000	1000	73.7	83.8	84.6	85.2	85.5	85.5	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.9	85.9	86.0
1000	1000	74.1	86.1	87.3	87.7	88.0	88.0	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.4	88.4
1000	1000	74.4	86.5	87.5	88.2	88.5	88.5	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	89.0
1000	1000	75.2	88.1	89.3	90.0	90.4	90.4	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.9
1000	1000	76.0	89.5	90.8	91.7	92.0	92.1	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.6
1000	1000	76.2	90.4	91.9	92.8	93.3	93.3	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.8	93.8
1000	1000	76.3	90.8	92.4	93.5	93.9	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.6
1000	1000	76.5	91.4	93.1	94.4	94.9	95.0	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.6	95.6
1000	1000	76.6	91.9	93.7	95.1	95.7	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.5
1000	1000	76.7	92.3	94.3	95.9	96.7	96.8	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7
1000	1000	76.8	92.5	94.5	96.3	97.1	97.3	97.8	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.3
1000	1000	76.9	92.7	94.9	96.9	97.7	97.9	98.6	98.8	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.3
1000	1000	76.9	92.7	95.0	97.0	97.9	98.1	98.8	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.6
1000	1000	76.9	92.8	95.0	97.1	97.9	98.2	98.9	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.7	99.8
1000	1000	76.9	92.8	95.1	97.1	97.9	98.2	98.9	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.8	99.9
1000	1000	76.9	92.8	95.1	97.1	97.9	98.2	98.9	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 6549

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72323

WILL ROGERS IAP OK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1325-1200

	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
70	73.1	72.4	72.5	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	
71	78.9	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
72	78.9	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
73	78.9	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
74	78.9	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
75	81.6	84.8	84.7	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	
76	83.0	86.7	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	
77	83.3	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	
78	83.9	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	
79	84.1	88.2	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	
80	84.4	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	
81	85.6	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
82	86.8	91.3	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
83	87.5	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
84	88.1	92.8	93.1	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	
85	88.5	93.5	93.8	93.8	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	
86	89.5	95.2	95.6	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
87	89.9	95.9	96.3	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
88	90.1	96.3	96.7	96.7	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
89	90.8	97.1	97.5	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
90	91.4	97.8	98.2	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
91	91.1	98.2	98.6	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
92	92.1	98.5	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
93	92.0	98.5	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
94	92.2	98.6	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
95	92.3	98.7	99.1	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
96	92.3	98.9	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
97	92.3	98.9	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
98	92.3	98.9	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
99	92.3	98.9	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
100	92.3	98.9	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	

TOTAL NUMBER OF OBSERVATIONS 790

GLOBAL CLIMATOLOGY BRANCH
GCLFAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

-203 WILL ROGERS IAP OK

73-61

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2300-2500

63.1	67.6	68.7	69.0	69.1	69.2	69.3	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5
70.1	75.1	76.4	76.6	76.8	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
75.1	75.1	76.4	76.6	76.8	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
77.1	75.1	76.4	76.6	76.8	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
70.2	75.2	76.5	76.6	76.9	77.1	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3
72.5	77.5	78.9	79.2	79.3	79.4	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
75.2	80.5	81.9	82.1	82.2	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
75.5	80.8	82.2	82.5	82.6	82.8	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
76.9	83.0	84.4	84.7	84.8	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
77.0	83.3	84.7	84.8	85.1	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
77.1	83.7	85.1	85.3	85.4	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
77.4	85.1	86.5	86.8	87.0	87.1	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4
79.8	86.5	88.1	88.3	88.4	88.5	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
91.4	88.1	89.5	89.8	89.9	90.0	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
92.1	89.1	90.7	90.9	91.1	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
92.4	89.5	91.2	91.4	91.6	91.7	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
93.3	90.5	92.2	92.5	92.6	92.7	92.8	92.8	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3
93.6	91.2	92.8	93.1	93.2	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
94.0	91.6	93.4	93.6	93.7	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
94.9	92.5	94.3	94.5	94.8	94.9	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
95.2	93.1	95.1	95.4	95.8	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
95.4	93.4	95.1	95.7	96.1	96.2	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
95.7	93.6	95.7	95.9	96.3	96.4	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
96.1	94.0	96.2	96.4	96.8	96.9	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
96.0	94.1	96.3	96.6	96.9	97.1	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
96.0	94.3	96.4	96.7	97.1	97.2	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
96.0	94.6	96.8	97.2	97.6	97.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
96.1	94.8	97.7	98.1	98.5	98.6	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
96.2	94.9	98.0	98.3	98.7	98.9	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
96.2	94.9	98.0	98.3	98.7	98.9	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
96.2	94.9	98.0	98.3	98.7	98.9	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 783

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM FOURLY OBSERVATIONS

1600-2600

50.3	60.7	61.3	61.8	62.2	62.2	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8
56.5	68.1	68.7	69.2	69.6	69.6	70.2	70.2	70.1	70.1	70.1	70.1	70.1	70.4	70.4	70.4	70.4
56.5	68.1	68.7	69.2	69.6	69.6	70.2	70.2	70.1	70.1	70.1	70.1	70.1	70.4	70.4	70.4	70.4
57.3	69.0	69.6	70.1	70.5	70.5	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.2	71.2
60.2	72.0	72.7	73.2	73.6	73.6	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5
62.4	74.6	75.4	75.9	76.3	76.3	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4
63.4	75.8	76.5	77.0	77.4	77.4	78.2	78.1	78.3	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5
65.1	77.9	78.4	79.3	79.6	79.6	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.8	80.8	80.8	80.8
65.8	78.6	79.5	80.0	80.4	80.4	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5
66.0	78.8	79.6	80.2	80.5	80.5	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.7	81.7	81.7	81.7
68.1	80.9	81.3	82.3	82.8	82.8	83.4	83.5	83.7	83.7	83.7	83.7	83.7	83.9	83.9	83.9	83.9
69.2	82.4	83.4	84.0	84.5	84.5	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.7	85.7	85.7	85.7
69.3	82.7	83.7	84.3	84.8	84.8	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9
70.7	83.5	84.5	85.2	85.7	85.8	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.9	86.9	86.9	86.9
70.8	83.7	84.7	85.4	85.9	86.1	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3
70.7	84.7	85.7	86.4	86.9	87.1	87.7	87.9	88.1	88.1	88.1	88.1	88.1	88.3	88.3	88.3	88.3
71.7	86.4	87.4	88.2	88.7	88.8	89.4	89.7	89.8	89.8	89.8	89.8	89.8	90.1	90.1	90.1	90.1
72.4	87.1	88.1	88.8	89.3	89.4	90.1	90.3	90.5	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7
72.9	87.8	88.8	89.6	90.1	90.2	90.8	91.1	91.2	91.2	91.2	91.2	91.2	91.5	91.5	91.5	91.5
73.9	89.3	90.6	91.3	91.8	92.0	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2
74.5	90.3	92.0	92.8	93.3	93.5	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8
74.5	90.6	92.2	93.2	93.7	93.8	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2
74.6	91.0	92.6	93.7	94.2	94.3	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7
74.7	91.2	92.8	94.0	94.5	94.6	95.5	95.7	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1	96.1
74.9	91.7	93.3	94.5	95.0	95.1	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6
74.9	92.1	94.5	95.7	96.2	96.4	97.4	97.6	97.7	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1
75.0	92.2	94.6	96.0	96.5	96.6	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7
75.1	92.3	94.7	96.1	96.7	96.9	98.2	98.6	98.7	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.2
75.1	92.3	94.7	96.1	96.7	96.9	98.2	98.6	98.7	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4
75.1	92.3	94.7	96.1	96.7	96.9	98.2	98.6	98.7	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 796

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-2-42

1.2	63.9	64.1	64.3	64.5	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
0.4	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
0.4	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
0.5	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
0.1	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
1.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
3.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
4.5	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
6.1	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
7.1	82.3	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
7.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
7.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
7.5	83.6	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
7.7	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
1.7	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3.2	89.3	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
5.3	92.5	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
7.4	95.2	95.3	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
7.7	95.6	95.7	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
5.4	97.1	97.2	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
8.5	97.3	97.5	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
6.7	97.7	97.9	98.1	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
8.9	98.2	98.4	98.6	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
8.9	98.4	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
6.9	98.5	98.6	99.0	99.1	99.1	99.2	99.2	99.2	99.4	99.4	9						

TOTAL NUMBER OF OBSERVATIONS 791

CEILING VERSUS VISIBILITY

WILL ROBERT, IAP UK

73-01

100

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1540-1720

[illegible]TOTAL NUMBER OF OBSERVATIONS 795

73-81

12. WILL ROGERS LAD ON

July

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1822-2000

[illegible]TOTAL NUMBER OF OBSERVATIONS 632

203 WILL ROGERS IAP OK

73-81

444

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

[illegible]TOTAL NUMBER OF OBSERVATIONS 789

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

64.3	68.6	68.9	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
72.7	77.5	77.8	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
72.8	77.5	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2
73.3	78.1	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
75.6	80.6	80.9	81.0	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
77.7	82.9	83.3	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
78.2	83.5	83.8	83.9	84.0	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
79.6	85.2	85.6	85.6	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
80.1	85.7	86.1	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5
80.3	86.0	86.4	86.5	86.6	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
81.2	87.2	87.6	87.7	87.8	87.8	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
82.3	88.4	88.9	89.0	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4
83.2	89.5	90.1	90.1	90.2	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
83.8	90.3	90.8	91.0	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4
84.5	91.4	91.9	92.1	92.2	92.3	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
85.4	92.7	93.3	93.5	93.6	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
86.3	94.1	94.6	94.9	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
86.6	94.4	95.1	95.3	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
87.1	95.4	96.1	96.2	96.3	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
87.5	96.0	96.7	97.0	97.1	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
87.8	96.5	97.2	97.5	97.7	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
87.9	96.7	97.4	97.7	97.9	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
87.9	96.8	97.5	97.9	98.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
88.0	96.9	97.7	98.0	98.2	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
88.1	97.0	97.8	98.2	98.4	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
88.1	97.2	98.1	98.5	98.7	98.8	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
88.1	97.2	98.2	98.7	98.9	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
88.1	97.3	98.3	98.8	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
88.1	97.3	98.3	98.8	99.0	99.1	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
88.1	97.3	98.3	98.8	99.0	99.1	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
88.1	97.3	98.3	98.8	99.0	99.1	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 6341

JOURNAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-3 WILL ROGERS IAP OK

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000-2222

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1000	76.1	79.8	81.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
900	81.1	85.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
800	81.1	85.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
700	81.2	85.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
600	81.2	85.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
500	82.1	86.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
400	85.5	90.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
300	85.6	90.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
200	86.4	91.3	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
100	87.1	92.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
50	87.8	93.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
25	88.6	94.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
10	89.1	95.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
5	89.1	95.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	89.2	95.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
1000	89.4	96.0	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
900	89.4	96.1	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
800	89.4	96.1	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
700	89.5	96.2	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
600	89.9	96.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
500	89.9	97.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
400	89.9	97.2	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	90.1	97.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
200	90.1	97.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
100	90.1	97.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
50	90.1	98.0	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
25	90.2	98.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10	90.2	98.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	90.3	98.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	90.3	98.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	90.3	98.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	90.3	98.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 113

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12-03

WILL ROGERS IAP OK

73-61

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1300-1500

75.7	75.2	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
75.7	81.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
75.7	81.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
75.7	81.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
75.7	81.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
76.9	82.9	83.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
80.9	87.2	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
81.3	87.5	88.5	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
81.9	88.2	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
82.3	88.5	89.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
83.2	89.9	91.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
84.6	91.5	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
85.6	93.2	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
85.6	93.2	94.5	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
85.9	93.6	94.9	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
86.1	94.5	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
86.2	94.6	95.9	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
86.6	94.9	96.3	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
86.7	95.1	96.4	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
86.9	95.3	96.7	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
87.3	95.7	97.1	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
87.3	95.9	97.3	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
87.3	95.9	97.3	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
87.3	95.9	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
87.5	96.3	97.7	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
87.5	96.7	98.1	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
87.5	96.7	98.0	99.3	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
87.5	96.7	98.0	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
87.5	96.7	98.0	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
87.5	96.7	98.0	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
87.5	96.7	98.0	99.3	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2773
PERIOD

WILL ROGERS IAP OK
STATION

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1600-2400

61.8	70.1	71.4	71.8	73.1	73.3	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
66.8	78.1	79.5	79.9	81.2	81.3	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
68.8	78.1	79.5	79.9	81.2	81.3	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
68.8	78.1	79.5	79.9	81.2	81.3	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
68.8	78.1	79.5	79.9	81.2	81.3	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
69.8	79.3	80.7	81.1	82.4	82.5	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
73.4	83.5	85.4	85.8	87.1	87.2	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
73.9	84.0	85.9	86.3	87.6	87.7	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
74.6	85.1	87.0	87.3	88.7	88.8	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
75.7	86.1	88.2	88.6	89.9	90.0	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
76.5	87.3	89.0	89.5	90.8	91.0	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
77.5	88.2	90.4	90.8	92.2	92.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
77.5	88.2	90.4	90.8	92.2	92.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
77.8	88.6	90.7	91.2	92.5	92.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
78.3	88.8	91.0	91.4	92.8	92.9	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
78.3	89.0	91.2	91.7	93.0	93.1	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
78.3	89.2	91.3	91.8	93.1	93.3	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
78.5	89.4	91.6	92.0	93.4	93.5	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
78.6	89.5	91.7	92.2	93.5	93.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
78.9	90.0	92.2	92.7	94.0	94.1	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
79.4	91.0	93.1	93.6	95.2	95.3	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
79.6	91.3	93.5	94.2	95.8	95.9	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
79.6	91.3	93.5	94.3	95.9	96.0	97.5	97.6	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
79.6	91.6	93.7	94.7	96.4	96.5	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
79.6	91.6	93.7	94.7	96.4	96.5	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
79.6	91.7	94.0	94.9	96.6	96.7	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
79.8	91.9	94.2	95.2	96.9	97.2	98.9	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
79.8	91.9	94.2	95.2	96.9	97.3	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
79.8	91.9	94.2	95.2	96.9	97.3	99.3	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9
79.8	91.9	94.2	95.2	96.9	97.3	99.3	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9
79.8	91.9	94.2	95.2	96.9	97.3	99.3	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 810

2
GLOBAL CLIMATOLOGY BRANCH
WILL ROGERS IAP OK

CEILING VERSUS VISIBILITY

73-61
PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

JUL
1922-1120

57.8	75.1	75.3	76.2	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
71.3	79.3	80.7	81.0	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
71.3	79.3	80.7	81.0	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
71.3	79.3	80.7	81.0	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
71.4	79.3	80.8	81.1	81.5	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
72.2	81.6	82.5	82.4	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
76.3	85.4	86.7	87.1	87.5	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
77.1	86.1	87.1	87.5	87.8	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
78.2	87.6	88.6	88.9	89.3	89.4	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
78.3	87.6	88.6	88.9	89.4	89.5	90.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
79.6	88.4	89.3	89.7	90.3	90.4	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
79.2	88.9	90.3	90.6	91.2	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
79.2	88.9	90.3	90.6	91.2	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
79.8	89.7	91.1	91.4	92.0	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
79.8	89.7	91.1	91.4	92.0	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
80.2	90.3	91.6	92.0	92.6	92.7	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
80.5	90.9	92.2	92.7	93.4	93.6	94.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
81.1	91.7	93.1	93.6	94.3	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
81.4	92.2	93.6	94.0	94.8	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
81.9	92.9	94.3	94.8	95.5	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
82.6	93.9	95.4	96.1	96.8	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
82.8	94.4	96.1	96.7	97.4	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
82.4	94.4	96.1	96.7	97.6	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
83.1	94.6	96.2	97.0	97.8	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
83.0	94.6	96.2	97.0	97.8	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
83.1	94.8	96.4	97.3	98.2	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
83.3	95.0	96.5	97.6	98.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
83.3	95.0	96.5	97.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
83.3	95.0	96.5	97.7	98.5	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
83.3	95.0	96.5	97.7	98.5	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
83.3	95.1	96.6	97.7	98.5	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
83.3	95.1	96.6	97.7	98.5	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 822

1253 WILL ROGERS IAP OK

73-61

444

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12-2-1413

[illegible]TOTAL NUMBER OF OBSERVATIONS 129

23 WILL ROGERS IAP OK

73-81

444

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

18-2-200

[illegible]TOTAL NUMBER OF OBSERVATIONS 25

WILL ROGERS IAP ON

73-81

میں

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

44-38861-2332

[illegible]TOTAL NUMBER OF OBSERVATIONS 822

ALL OTHERS 140 00

75-51

44-

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

Also

75.1	77.1	77.7	75.3	77.2	75.2	78.3	78.3	78.3	75.3	78.3	76.3	79.3	74.3	75.4	76.3
75.3	74.2	84.2	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
75.4	84.2	84.9	85.3	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
75.5	74.2	84.9	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
75.5	84.5	85.2	85.6	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
75.9	85.9	86.6	87.4	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
76.0	89.3	91.1	97.5	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
76.1	84.5	91.3	97.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
76.4	90.5	91.3	91.7	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
76.5	91.2	92.0	92.4	92.7	92.7	92.9	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
76.5	91.5	92.6	93.0	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
76.5	92.6	93.6	94.1	94.4	94.5	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
76.8	93.2	94.2	94.7	95.0	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
76.1	93.6	94.6	95.2	95.5	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
76.2	93.9	94.9	95.5	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
76.3	94.3	95.3	95.9	96.2	96.3	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
76.6	94.7	95.8	96.4	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
76.4	95.2	96.2	96.6	97.2	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
76.1	95.3	96.3	96.9	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
76.3	95.6	96.7	97.3	97.6	97.7	98.1	98.2	98.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1
76.5	96.0	97.1	97.7	98.1	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
76.7	96.2	97.3	98.0	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
76.7	96.3	97.4	98.1	98.5	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
76.7	96.4	97.4	98.2	98.6	98.7	99.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
76.8	96.4	97.5	98.3	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
76.8	96.5	97.7	98.5	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
76.9	96.6	97.8	98.6	99.1	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
76.9	96.6	97.9	98.6	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
76.9	96.6	97.9	98.7	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
76.9	96.6	97.8	98.7	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
76.9	96.6	97.8	98.7	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 5578

DATE: 11/11/11 TIME: 11:11 AM PAGE: 11

ALL REPORTS IAP ON

73-61

20.

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

002-1000

[illegible]TOTAL NUMBER OF OBSERVATIONS 23

CLIMATE BRANCH
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE/44C

CEILING VERSUS VISIBILITY

WILL ROGERS ISL, OK

73-61

341

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1100-0300

05.5	71.7	72.5	71.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
7.2	76.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
7.7	76.7	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
7.7	76.7	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
10.1	76.7	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
13.7	80.2	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
7.9	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
7.2	86.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
11.7	89.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
12.4	90.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
13.5	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
14.5	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
15.3	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
15.8	94.2	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
16.0	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
16.2	94.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
16.5	95.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
17.0	95.8	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
17.1	96.0	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
17.5	96.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
17.6	96.4	97.5	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
17.7	96.7	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
17.7	97.2	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
17.7	97.2	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
17.7	97.4	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
17.7	97.4	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
17.7	97.4	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
17.7	97.5	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
17.7	97.7	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
17.7	97.7	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
17.7	97.7	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 316

NOTE: DATA FOR 1940-1949 ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
AFSTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

73-01

1000

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1612-2422

62.7	66.1	69.2	70.9	71.6	71.8	72.2	72.3	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7
55.7	71.5	73.7	75.4	76.1	76.3	76.7	76.8	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2
56.9	71.9	73.9	75.6	76.3	76.6	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4
56.4	71.9	73.9	75.6	76.3	76.6	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4
57.1	71.1	74.1	75.7	76.5	76.7	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5
59.1	73.5	76.6	78.3	79.1	79.2	79.6	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
54.3	78.9	81.9	83.7	84.5	84.7	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.6
54.7	74.5	82.5	84.3	85.1	85.3	85.7	85.8	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2
55.4	83.6	86.3	88.7	89.4	89.7	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5
51.7	84.5	87.4	89.6	90.3	90.5	90.9	91.0	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4
51.8	85.7	88.8	90.8	91.5	91.7	92.1	92.2	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6
51.4	86.7	89.8	91.7	92.5	92.7	93.2	93.3	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7
50.8	87.3	91.4	92.4	93.1	93.3	93.8	93.9	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3
70.9	87.7	91.9	92.8	93.6	93.8	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8
71.1	87.9	91.1	93.0	93.7	93.9	94.4	94.5	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9
71.1	88.1	91.3	93.2	93.9	94.2	94.7	94.8	95.1	95.0	95.0	95.0	95.0	95.1	95.1	95.1
71.5	88.6	92.2	94.3	95.0	95.3	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4
71.6	88.8	92.5	94.5	95.3	95.5	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7
71.8	89.1	92.8	94.9	95.6	95.9	96.5	96.7	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1
72.1	89.3	93.1	95.1	95.9	96.4	97.0	97.2	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
72.1	89.3	93.1	95.3	96.1	96.5	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
72.1	89.6	93.3	95.5	96.2	96.7	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2
72.1	91.2	94.2	96.4	97.1	97.6	98.3	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
72.2	90.3	94.3	96.5	97.2	97.7	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
72.2	90.3	94.3	96.5	97.2	97.8	98.5	99.0	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5
72.2	90.3	94.3	96.5	97.2	97.8	98.7	99.2	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6
72.2	90.3	94.3	96.5	97.2	97.8	98.7	99.3	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
72.2	91.3	94.3	96.5	97.2	97.8	98.7	99.3	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0
72.2	91.3	94.3	96.5	97.2	97.8	98.7	99.3	99.6	99.8	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 524

USAF ETAC 12-11-50 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

VI

73-01

943

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

-900-1100

[illegible]TOTAL NUMBER OF OBSERVATIONS 521

2

73-01

Ans:

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12-2-1422

71.3	71.7	71.9	71.8	71.8	71.8	71.8	71.8	71.5	71.5	71.8	71.6	71.8	71.5	71.5	71.5
71.3	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
71.3	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
71.3	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
72.8	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
75.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
71.9	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
71.9	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
72.9	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
73.2	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
73.3	91.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
75.2	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
74.9	92.6	92.8	92.9	93.0	93.1	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
75.2	92.9	93.2	93.3	93.4	93.4	93.4	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
76.1	94.1	94.3	94.5	94.6	94.6	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
76.0	94.5	94.7	95.0	95.1	95.1	95.1	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
77.3	95.5	95.7	96.0	96.1	96.1	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
77.8	96.2	96.5	96.7	96.8	96.8	96.8	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
78.3	96.8	97.2	97.4	97.6	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
78.6	97.7	97.2	98.4	98.5	98.5	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
78.6	97.8	98.4	98.7	98.8	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
78.6	97.9	98.5	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
78.6	97.9	98.5	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
78.6	98.3	98.9	99.1	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
78.6	98.3	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
78.6	98.3	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
78.6	98.3	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
78.6	98.3	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.6					

TOTAL NUMBER OF OBSERVATIONS 819

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

15-3-1722

[illegible]TOTAL NUMBER OF OBSERVATIONS 417

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

13-1-2432

[illegible]TOTAL NUMBER OF OBSERVATIONS 822

ALPHAC CLIMATOLOGY BRANCH
AFETAC
A. WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

2.11.11 WILL ROUSERS IAP CA

73-01

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000-0200

65.2	64.6	65.9	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
65.1	72.2	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
65.1	72.2	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
65.2	72.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
65.5	72.7	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
67.8	75.4	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
71.4	79.8	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
72.8	81.8	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
74.3	83.4	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
74.8	83.9	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
74.9	84.1	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
75.6	84.9	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
76.7	86.1	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
77.7	87.3	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
78.1	88.2	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
78.7	89.4	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
79.3	89.7	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
79.7	90.9	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
79.8	91.1	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
80.5	91.7	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
80.6	92.3	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
80.9	92.8	94.7	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
81.1	93.2	95.1	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
81.2	94.1	96.1	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
81.2	94.1	96.1	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
81.2	94.5	96.6	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
81.2	94.5	96.7	97.7	97.9	98.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
81.2	94.6	97.7	98.1	98.2	98.5	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
81.2	94.6	97.7	98.2	98.3	98.7	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
81.2	94.6	97.7	98.2	98.5	98.7	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
81.2	94.6	97.7	98.2	98.5	98.7	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
81.2	94.6	97.7	98.2	98.5	98.7	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 194

LOCAL CLIMATOLOGY BRANCH
FETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

ALL POLERS IAP CA

73-31

240

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

442-443

5.5	63.4	63.7	64.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.4	65.6
59.2	68.3	68.5	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	70.2	70.4
59.2	68.3	68.5	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	70.2	70.4
59.3	68.3	68.5	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	70.2	70.4
59.3	68.5	68.8	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.4	70.7
60.1	71.0	71.6	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.2	73.2	73.2	73.2
65.7	75.3	76.1	76.8	77.3	77.3	77.3	77.5	77.5	77.6	77.6	77.6	77.7	77.7	78.0	78.2
65.2	75.5	76.6	77.3	77.8	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.5	78.7
66.5	77.1	78.1	78.9	79.4	79.4	79.4	79.5	79.5	79.6	79.6	79.6	79.7	79.7	80.0	80.3
67.5	78.7	79.7	80.5	81.0	81.0	81.0	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.7	81.9
67.2	79.4	80.4	81.1	81.7	81.7	81.7	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.3	82.5
68.7	81.1	81.7	81.8	82.3	82.3	82.3	82.4	82.4	82.5	82.5	82.5	82.7	82.7	82.9	83.2
69.6	81.8	82.3	83.6	84.1	84.1	84.1	84.2	84.2	84.3	84.3	84.3	84.5	84.5	84.7	85.0
70.6	83.2	84.2	85.0	85.5	85.5	85.5	85.6	85.6	85.7	85.7	85.7	85.9	85.9	86.1	86.4
71.2	84.2	85.2	86.0	86.5	86.5	86.5	86.6	86.6	86.8	86.8	86.8	86.9	86.9	87.1	87.4
71.3	85.1	86.2	87.0	87.5	87.5	87.5	87.6	87.6	87.8	87.8	87.8	87.9	87.9	88.2	88.4
72.7	86.0	87.1	87.9	88.4	88.4	88.4	88.5	88.5	88.7	88.7	88.7	88.8	88.8	89.0	89.3
73.9	87.3	88.4	89.2	89.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.1	90.1	90.3	90.6
73.9	87.3	88.7	89.4	89.9	89.9	89.9	90.1	90.1	90.2	90.2	90.2	90.3	90.3	90.6	90.8
74.4	88.5	90.3	91.1	91.6	91.6	91.6	91.7	91.7	91.8	91.8	91.8	92.1	92.1	92.2	92.5
74.5	88.9	90.7	91.6	92.1	92.4	92.4	92.5	92.5	92.6	92.6	92.6	92.7	92.7	93.0	93.2
75.2	90.1	91.8	92.9	93.4	93.6	93.6	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.3	94.5
75.3	90.3	92.1	93.1	93.6	93.9	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.3	94.5	94.8
75.5	90.7	92.5	93.5	94.1	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.8	94.8	95.0	95.3
75.9	91.3	93.1	94.3	94.9	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.8	96.1
75.9	92.1	94.0	95.2	95.8	96.1	96.1	96.2	96.2	96.4	96.4	96.4	96.6	96.6	96.8	97.1
75.9	92.4	94.3	96.2	96.9	97.2	97.5	97.6	97.6	98.0	98.0	98.0	98.1	98.1	98.3	98.6
75.9	92.4	94.3	96.2	97.1	97.3	97.7	97.8	97.8	98.2	98.2	98.2	98.3	98.3	98.6	98.9
75.9	92.4	94.3	96.2	97.2	97.5	98.0	98.1	98.1	98.5	98.5	98.5	98.6	98.6	98.9	99.1
75.9	92.4	94.3	96.2	97.2	97.5	98.0	98.1	98.1	98.5	98.6	98.6	98.7	98.7	99.0	99.2
75.9	92.4	94.3	96.2	97.2	97.5	98.0	98.1	98.1	98.5	98.6	98.6	98.9	98.9	99.2	99.6
75.9	92.4	94.3	96.2	97.2	97.5	98.0	98.1	98.1	98.5	98.6	98.6	98.9	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 785

USAF 67A, 7047, 7048, 7049, 7050, 7051, 7052, 7053, 7054, 7055, 7056, 7057, 7058, 7059, 7060, 7061, 7062, 7063, 7064, 7065, 7066, 7067, 7068, 7069, 7070, 7071, 7072, 7073, 7074, 7075, 7076, 7077, 7078, 7079, 7080, 7081, 7082, 7083, 7084, 7085, 7086, 7087, 7088, 7089, 7090, 7091, 7092, 7093, 7094, 7095, 7096, 7097, 7098, 7099, 7100, 7101, 7102, 7103, 7104, 7105, 7106, 7107, 7108, 7109, 7110, 7111, 7112, 7113, 7114, 7115, 7116, 7117, 7118, 7119, 7120, 7121, 7122, 7123, 7124, 7125, 7126, 7127, 7128, 7129, 7130, 7131, 7132, 7133, 7134, 7135, 7136, 7137, 7138, 7139, 7140, 7141, 7142, 7143, 7144, 7145, 7146, 7147, 7148, 7149, 7150, 7151, 7152, 7153, 7154, 7155, 7156, 7157, 7158, 7159, 7160, 7161, 7162, 7163, 7164, 7165, 7166, 7167, 7168, 7169, 7170, 7171, 7172, 7173, 7174, 7175, 7176, 7177, 7178, 7179, 7180, 7181, 7182, 7183, 7184, 7185, 7186, 7187, 7188, 7189, 7190, 7191, 7192, 7193, 7194, 7195, 7196, 7197, 7198, 7199, 7200, 7201, 7202, 7203, 7204, 7205, 7206, 7207, 7208, 7209, 7210, 7211, 7212, 7213, 7214, 7215, 7216, 7217, 7218, 7219, 7220, 7221, 7222, 7223, 7224, 7225, 7226, 7227, 7228, 7229, 7230, 7231, 7232, 7233, 7234, 7235, 7236, 7237, 7238, 7239, 7240, 7241, 7242, 7243, 7244, 7245, 7246, 7247, 7248, 7249, 7250, 7251, 7252, 7253, 7254, 7255, 7256, 7257, 7258, 7259, 7260, 7261, 7262, 7263, 7264, 7265, 7266, 7267, 7268, 7269, 7270, 7271, 7272, 7273, 7274, 7275, 7276, 7277, 7278, 7279, 7280, 7281, 7282, 7283, 7284, 7285, 7286, 7287, 7288, 7289, 7290, 7291, 7292, 7293, 7294, 7295, 7296, 7297, 7298, 7299, 7300, 7301, 7302, 7303, 7304, 7305, 7306, 7307, 7308, 7309, 7310, 7311, 7312, 7313, 7314, 7315, 7316, 7317, 7318, 7319, 7320, 7321, 7322, 7323, 7324, 7325, 7326, 7327, 7328, 7329, 7330, 7331, 7332, 7333, 7334, 7335, 7336, 7337, 7338, 7339, 7340, 7341, 7342, 7343, 7344, 7345, 7346, 7347, 7348, 7349, 7350, 7351, 7352, 7353, 7354, 7355, 7356, 7357, 7358, 7359, 7360, 7361, 7362, 7363, 7364, 7365, 7366, 7367, 7368, 7369, 7370, 7371, 7372, 7373, 7374, 7375, 7376, 7377, 7378, 7379, 7380, 7381, 7382, 7383, 7384, 7385, 7386, 7387, 7388, 7389, 7390, 7391, 7392, 7393, 7394, 7395, 7396, 7397, 7398, 7399, 7400, 7401, 7402, 7403, 7404, 7405, 7406, 7407, 7408, 7409, 7410, 7411, 7412, 7413, 7414, 7415, 7416, 7417, 7418, 7419, 7420, 7421, 7422, 7423, 7424, 7425, 7426, 7427, 7428, 7429, 7430, 7431, 7432, 7433, 7434, 7435, 7436, 7437, 7438, 7439, 7440, 7441, 7442, 7443, 7444, 7445, 7446, 7447, 7448, 7449, 7450, 7451, 7452, 7453, 7454, 7455, 7456, 7457, 7458, 7459, 7460, 7461, 7462, 7463, 7464, 7465, 7466, 7467, 7468, 7469, 7470, 7471, 7472, 7473, 7474, 7475, 7476, 7477, 7478, 7479, 7480, 7481, 7482, 7483, 7484, 7485, 7486, 7487, 7488, 7489, 7490, 7491, 7492, 7493, 7494, 7495, 7496, 7497, 7498, 7499, 7500, 7501, 7502, 7503, 7504, 7505, 7506, 7507, 7508, 7509, 7510, 7511, 7512, 7513, 7514, 7515, 7516, 7517, 7518, 7519, 7520, 7521, 7522, 7523, 7524, 7525, 7526, 7527, 7528, 7529, 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7538, 7539, 7540, 7541, 7542, 7543, 7544, 7545, 7546, 7547, 7548, 7549, 7550, 7551, 7552, 7553, 7554, 7555, 7556, 7557, 7558, 7559, 7560, 7561, 7562, 7563, 7564, 7565, 7566, 7567, 7568, 7569, 7570, 7571, 7572, 7573, 7574, 7575, 7576, 7577, 7578, 7579, 7580, 7581, 7582, 7583, 7584, 7585, 7586, 7587, 7588, 7589, 7590, 7591, 7592, 7593, 7594, 7595, 7596, 7597, 7598, 7599, 7600, 7601, 7602, 7603, 7604, 7605, 7606, 7607, 7608, 7609, 7610, 7611, 7612, 7613, 7614, 7615, 7616, 7617, 7618, 7619, 7620, 7621, 7622, 7623, 7624, 7625, 7626, 7627, 7628, 7629, 7630, 7631, 7632, 7633, 7634, 7635, 7636, 7637, 7638, 7639, 7640, 7641, 7642, 7643, 7644, 7645, 7646, 7647, 7648, 7649, 7650, 7651, 7652, 7653, 7654, 7655, 7656, 7657, 7658, 7659, 7660, 7661, 7662, 7663, 7664, 7665, 7666, 7667, 7668, 7669, 7670, 7671, 7672, 7673, 7674, 7675, 7676, 7677, 7678, 7679, 7680, 7681, 7682, 7683, 7684, 7685, 7686, 7687, 7688, 7689, 7690, 7691, 7692, 7693, 7694, 7695, 7696, 7697, 7698, 7699, 7700, 7701, 7702, 7703, 7704, 7705, 7706, 7707, 7708, 7709, 7710, 7711, 7712, 7713, 7714, 7715, 7716, 7717, 7718, 7719, 7720, 7721, 7722, 7723, 7724, 7725, 7726, 7727,

U.S. AIR FORCE
 WEATHER SERVICE
 WILLOW RIVER, IAP, AK

CEILING VERSUS VISIBILITY

WILLOW RIVER, IAP, AK

73-61

307

PER CENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1540-0000

42.4	51.5	54.0	55.6	56.2	56.5	57.3	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
45.6	56.4	58.5	60.4	61.0	61.3	61.8	62.0	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.7
46.6	56.4	58.5	60.4	61.0	61.3	61.8	62.0	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.7
46.6	56.4	58.5	60.4	61.0	61.3	61.8	62.0	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.7
46.7	57.4	59.5	61.4	62.0	62.3	62.8	63.1	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.7
46.3	59.3	61.8	63.4	64.1	64.4	64.9	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.8
48.3	64.1	65.7	68.5	69.2	69.7	70.5	70.7	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.4
48.2	65.3	68.0	69.7	70.5	71.0	71.8	72.0	72.0	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.6
48.5	65.5	71.0	73.5	74.3	74.8	75.5	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.4
50.4	69.9	72.9	74.8	75.5	76.0	76.8	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.7
50.7	70.5	73.8	75.7	76.4	76.9	77.7	77.9	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.6
50.6	71.8	74.9	76.8	77.6	78.1	78.8	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.8
50.3	72.8	76.0	77.9	78.7	79.2	79.9	80.2	80.2	80.3	80.5	80.5	80.5	80.5	80.5	80.5	81.0
50.5	73.1	76.4	78.3	79.1	79.6	80.3	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	81.3
50.1	74.4	77.7	79.6	80.3	80.8	81.6	81.8	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.6
50.4	74.7	78.2	80.1	80.8	81.3	82.2	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.8	83.0	83.4
50.2	75.5	79.3	81.3	82.1	82.6	83.5	83.7	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.5
51.2	76.3	80.7	82.7	83.5	84.0	85.0	85.2	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	86.1
51.4	77.3	81.2	83.5	84.2	84.7	85.9	86.1	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	87.0
51.7	77.9	81.8	84.2	85.0	85.5	86.6	86.9	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.4	87.8
52.5	79.4	83.5	86.0	87.0	87.5	88.7	88.9	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.4	89.9
53.2	80.6	84.7	87.4	88.4	88.9	90.0	90.3	90.3	90.5	90.7	90.7	90.7	90.7	90.7	90.8	91.2
53.7	81.5	85.6	88.3	89.3	89.8	90.9	91.2	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.7	92.1
53.8	82.2	86.4	89.1	90.0	90.5	91.7	91.9	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.8
53.7	83.2	87.4	90.2	91.2	91.8	92.9	93.2	93.2	93.4	93.7	93.7	93.7	93.7	93.7	93.8	94.2
54.1	83.9	88.1	91.0	91.9	92.0	93.7	93.9	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.7	95.1
54.1	84.1	88.5	91.6	92.7	93.3	94.8	95.1	95.1	95.3	95.6	95.6	95.6	95.6	95.6	95.7	96.2
54.1	84.2	88.9	92.1	93.4	94.2	95.7	96.1	96.1	96.5	96.8	96.8	96.8	96.8	96.8	97.1	97.6
54.1	84.5	89.2	92.3	93.7	94.6	96.2	96.7	96.7	97.2	97.9	97.9	97.9	97.9	97.9	98.1	98.7
54.1	84.5	89.2	92.3	93.7	94.7	96.5	97.0	97.0	97.5	98.1	98.1	98.1	98.1	98.1	98.4	99.4
54.1	84.5	89.2	92.3	93.7	94.7	96.5	97.0	97.0	97.5	98.2	98.2	98.2	98.2	98.2	98.5	99.1
54.1	84.5	89.2	92.3	93.7	94.7	96.5	97.0	97.0	97.5	98.2	98.2	98.2	98.2	98.2	98.5	99.1

TOTAL NUMBER OF OBSERVATIONS 723

SAFETY: ... ARE DESCRIBED

CEILING VERSUS VISIBILITY

PER CENTAGE FREQUENCY OF DIFFERENCE
FROM HOURLY OBSERVATIONS

1.7	65.7	64.7	66.7	65.8	66.5	65.8	66.5	65.8	66.5	65.8	66.5	65.8	66.5	65.8	66.5	65.8	66.5
1.7	74.4	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
6.3	74.7	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
6.3	74.9	74.5	75.3	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
6.4	75.7	74.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
1.3	75.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
6.3	83.7	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
8.5	83.9	84.7	84.4	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
6.7	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
7.2	85.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
6.4	85.3	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
6.3	87.2	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
7.7	88.1	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
7.1	87.2	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
6.2	91.4	91.9	91.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
1.4	91.7	91.5	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
1.0	92.1	92.5	92.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
1.4	92.5	92.7	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
1.7	93.0	93.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1.3	93.9	94.5	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
1.7	94.5	95.2	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.3	95.3	95.5	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
2.5	96.5	97.5	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2.5	97.1	98.0	98.4	99.7	99.0	99.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2.3	97.1	98.0	98.5	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2.5	97.1	98.7	98.5	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5	97.1	98.7	98.5	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2.5	97.1	98.7	98.5	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2.5	97.1	98.7	98.5	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2.5	97.1	98.7	98.5	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2.5	97.1	98.7	98.5	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OPERATIONS 784

CEILING VERSUS VISIBILITY

73-21

22

44-2-2422

TOTAL NUMBER OF OBSERVATIONS 796

NAVY CLIMATE BRANCH
 METAC
 METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

WILL ROGERS IAP OK

73-61

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

50.4	53.2	63.7	64.1	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
51.8	59.8	70.3	70.7	70.9	70.9	71.2	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2
51.8	59.7	70.4	70.8	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.4
51.8	59.8	70.5	70.9	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4
52.5	70.7	71.4	71.8	72.0	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3
54.3	73.1	73.2	74.3	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8
57.7	77.7	78.7	79.1	79.3	74.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7
58.6	78.5	79.5	79.9	80.1	80.2	80.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.6
70.0	80.3	81.3	81.8	82.0	82.1	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4
70.5	81.0	82.0	82.4	82.7	82.7	82.9	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
70.7	81.5	82.7	83.1	83.3	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.8
71.2	82.5	83.6	84.1	84.3	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7
72.3	83.5	84.7	85.2	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.9
72.3	84.3	85.6	86.1	86.3	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7
73.4	85.3	86.7	87.2	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.9
74.1	86.2	87.7	88.2	88.5	88.5	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.1
74.8	87.3	88.8	89.4	89.7	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.2
75.4	88.2	89.8	90.4	90.6	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1
75.6	88.6	90.2	90.9	91.1	91.2	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7
76.1	89.7	91.4	92.1	92.4	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.9	93.0
76.4	90.5	92.2	93.0	93.4	93.5	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.9	94.0
76.3	91.4	93.3	94.1	94.5	94.6	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1
77.1	92.0	93.9	94.7	95.2	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8
77.1	92.5	94.4	95.3	95.8	95.9	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5
77.1	92.8	94.7	95.7	96.3	96.4	96.7	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1
77.2	93.2	95.2	96.2	96.8	96.9	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.7
77.2	93.4	95.6	96.7	97.3	97.5	97.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.5
77.2	93.5	95.8	97.1	97.8	98.0	98.6	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.4
77.2	93.5	95.8	97.1	97.9	98.1	98.8	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.6
77.2	93.5	95.8	97.1	97.9	98.1	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.7
77.2	93.5	95.8	97.1	97.9	98.1	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 1346

USAF ETAC 73-61-43-01-A PREPARED BY THE METEOROLOGICAL SERVICE

NATIONAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-01
WILL ROGERS IAP, OK

73-01

001

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000-0200

68.2	70.3	71.5	72.9	73.9	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
71.1	73.5	73.3	74.2	74.1	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
71.3	73.7	74.1	74.3	74.3	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
71.3	73.7	74.1	74.3	74.3	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
71.3	74.1	74.2	74.6	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
71.4	74.1	74.3	74.7	74.7	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
73.2	75.7	75.9	76.3	76.3	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
73.3	76.4	76.7	77.0	77.0	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
74.3	77.4	77.3	78.1	78.1	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
75.3	78.4	79.7	79.1	79.1	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
76.4	79.5	81.2	80.3	80.3	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
77.5	81.4	81.9	82.3	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
79.1	83.0	83.5	83.9	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
79.1	83.0	83.5	83.9	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
79.3	83.4	83.9	84.5	84.5	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
79.8	84.1	84.6	85.2	85.2	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
80.6	85.1	85.6	86.2	86.2	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
82.3	86.9	87.5	88.1	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
82.4	87.8	88.4	89.0	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
82.8	89.2	90.1	90.7	90.7	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
83.1	89.7	90.6	91.2	91.2	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
83.3	90.2	91.4	92.2	92.2	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
83.5	90.8	92.4	93.3	93.3	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
83.7	91.1	92.8	93.6	93.6	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
83.7	91.3	93.7	94.1	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
83.7	91.6	93.5	94.7	94.9	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
83.7	91.7	94.1	95.5	95.7	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
83.9	92.2	94.7	96.5	96.9	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
83.9	92.3	95.5	97.1	97.6	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
83.9	92.3	95.5	97.1	97.6	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
83.9	92.3	95.5	97.1	97.6	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
83.9	92.3	95.5	97.1	97.6	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 118

USAF ETA

ALBANY CLIMATOLOGY BRANCH
ALBANY, N.Y.
U.S. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WILL ROGERS TAP OK

73-81

001

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1300-1500

63.0	66.5	66.7	67.1	67.5	67.5	67.5	67.6	67.6	67.7	67.8	67.8	68.0	68.1	68.1	68.5
65.2	68.1	68.5	68.8	69.2	69.2	69.2	69.3	69.3	69.4	69.5	69.6	69.7	69.8	69.8	70.3
65.2	68.1	68.5	68.8	69.2	69.2	69.2	69.3	69.3	69.4	69.6	69.6	69.7	69.8	69.8	70.3
65.5	68.5	68.8	69.2	69.6	69.6	69.6	69.7	69.7	69.8	69.9	69.9	70.0	70.2	70.2	70.7
66.1	69.1	69.4	69.8	70.2	70.2	70.2	70.3	70.3	70.4	70.5	70.5	70.7	70.8	70.9	71.3
66.5	69.6	69.9	70.3	70.7	70.7	70.7	70.8	70.8	70.9	71.0	71.0	71.1	71.3	71.3	71.8
66.9	71.9	72.2	72.6	73.0	73.0	73.0	73.1	73.1	73.2	73.3	73.3	73.5	73.6	73.6	74.1
69.0	72.6	73.1	73.3	73.7	73.7	73.7	73.8	73.8	74.0	74.1	74.1	74.2	74.3	74.4	75.1
71.0	74.2	74.6	74.9	75.3	75.3	75.3	75.4	75.4	75.6	75.7	75.7	75.8	75.9	76.0	76.7
71.7	75.3	75.5	76.2	76.5	76.5	76.5	76.7	76.7	76.8	76.9	76.9	77.0	77.1	77.3	77.4
73.1	76.7	77.1	77.5	77.9	77.9	77.9	78.0	78.0	78.1	78.2	78.2	78.4	78.5	78.5	79.0
74.3	79.4	79.5	79.8	80.0	80.2	80.2	80.3	80.3	80.4	80.6	80.6	80.7	80.8	80.9	81.5
76.4	81.6	81.1	81.4	81.8	81.8	81.8	81.9	81.9	82.0	82.2	82.2	82.3	82.4	82.5	83.1
76.8	81.1	81.5	81.9	82.3	82.3	82.3	82.4	82.4	82.5	82.6	82.6	82.8	82.9	83.0	83.6
77.1	81.4	81.9	82.3	82.6	82.6	82.6	82.8	82.8	82.9	83.0	83.0	83.1	83.3	83.4	84.7
77.6	81.9	82.4	82.8	83.1	83.1	83.1	83.3	83.3	83.4	83.5	83.5	83.6	83.7	83.9	84.5
77.8	82.4	83.0	83.4	83.7	83.7	83.7	83.9	83.9	84.0	84.1	84.1	84.2	84.4	84.5	85.1
78.7	84.0	84.6	85.0	85.3	85.3	85.3	85.5	85.5	85.6	85.7	85.7	85.8	85.9	86.1	86.7
78.9	84.7	85.5	85.8	86.2	86.2	86.2	86.3	86.3	86.4	86.6	86.6	86.8	86.8	86.9	87.5
79.0	86.2	87.0	87.4	87.8	87.8	87.8	87.9	87.9	88.0	88.1	88.1	88.3	88.4	88.5	89.1
79.3	86.7	87.7	88.0	88.4	88.4	88.4	88.5	88.5	88.6	88.8	88.8	88.9	89.0	89.1	89.7
79.7	87.4	88.4	88.8	89.1	89.1	89.1	89.2	89.2	89.4	89.5	89.5	89.6	89.7	89.9	90.5
79.7	88.3	89.1	89.5	89.9	89.9	89.9	90.0	90.0	90.1	90.2	90.2	90.3	90.5	90.6	91.2
79.7	88.3	89.4	89.7	90.3	90.3	90.3	90.6	90.6	90.7	90.8	90.8	91.0	91.1	91.2	91.8
80.4	89.5	91.1	91.6	92.2	92.2	92.2	92.5	92.5	92.7	92.8	92.8	92.9	93.0	93.2	93.8
80.4	89.5	91.1	91.6	92.4	92.4	92.4	92.8	92.8	92.9	93.0	93.0	93.2	93.3	93.4	94.0
80.6	90.0	91.7	92.2	93.3	93.3	93.4	93.8	93.8	93.9	94.0	94.0	94.1	94.3	94.4	95.0
80.7	90.1	91.9	92.6	94.5	94.5	94.7	95.4	95.4	95.6	95.7	95.7	96.1	96.1	96.2	96.8
80.8	90.2	92.2	93.3	95.0	95.0	95.6	96.2	96.2	96.6	96.7	96.7	97.1	97.2	97.3	97.9
80.8	90.2	92.2	93.3	95.2	95.2	96.0	96.7	96.7	97.4	97.7	97.7	98.2	98.3	98.4	99.0
80.8	90.2	92.2	93.3	95.2	95.2	96.0	96.7	96.7	97.8	98.0	98.0	98.7	98.8	99.0	99.6
80.8	90.2	92.2	93.3	95.2	95.2	96.0	96.7	96.7	97.8	98.0	98.0	98.7	98.8	99.0	99.6

TOTAL NUMBER OF OBSERVATIONS 112

USAF ETAC 11-4-5 CL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
JULIAL CLIMATOLOGY BRANCH
AFETAC
AFWAFATHA SERVICE/MAG

CEILING VERSUS VISIBILITY

20000 WILL ROBERT IAP CA

73-83

2001

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1612-2630

64.4	56.6	59.6	59.8	60.6	60.6	60.9	60.9	61.0	61.0	61.3	61.3	61.4	61.4	62.3	62.5
67.3	62.3	63.3	63.7	64.4	64.4	64.8	64.8	64.9	64.9	65.2	65.2	65.3	65.3	66.1	66.5
67.3	62.3	63.3	63.7	64.4	64.4	64.8	64.8	64.9	64.9	65.2	65.2	65.3	65.3	66.1	66.5
67.4	62.4	63.5	63.8	64.6	64.6	64.9	64.9	65.1	65.1	65.3	65.3	65.4	65.4	66.3	66.6
67.3	63.3	64.4	64.8	65.5	65.5	65.9	65.9	66.1	66.1	66.3	66.3	66.4	66.4	67.2	67.6
67.1	65.3	66.4	66.7	67.5	67.5	67.8	67.8	68.1	68.1	68.2	68.2	68.3	68.3	69.2	69.5
67.7	67.3	68.1	68.4	69.2	69.2	69.5	69.5	69.7	69.7	69.9	69.9	70.0	70.0	70.9	71.2
67.4	67.8	68.9	69.3	70.0	70.0	70.4	70.4	70.5	70.5	70.8	70.8	70.9	70.9	71.7	72.1
67.3	69.5	70.6	71.0	71.7	71.7	72.1	72.1	72.2	72.2	72.5	72.5	72.5	72.5	73.4	73.8
67.2	70.9	72.0	72.3	73.1	73.1	73.4	73.4	73.5	73.5	73.8	73.8	73.9	73.9	74.8	75.1
66.6	72.9	74.0	74.4	75.1	75.1	75.5	75.5	75.6	75.6	75.8	75.8	75.9	75.9	76.8	77.2
67.3	74.6	75.7	76.1	76.8	76.8	77.2	77.2	77.3	77.3	77.5	77.5	77.7	77.7	78.5	78.9
68.7	75.8	76.9	77.3	78.0	78.0	78.4	78.4	78.5	78.5	78.8	78.8	78.9	78.9	79.7	80.1
68.9	76.3	77.4	77.8	78.5	78.5	78.9	78.9	79.1	79.1	79.2	79.2	79.4	79.4	80.2	80.6
69.2	76.6	77.7	78.0	78.8	78.8	79.1	79.1	79.2	79.2	79.5	79.5	79.6	79.6	80.5	80.8
69.7	77.3	78.4	78.8	79.6	79.6	80.0	80.0	80.1	80.1	80.3	80.3	80.5	80.5	81.3	81.7
70.1	78.0	79.1	79.5	80.3	80.3	80.7	80.7	80.8	80.8	81.1	81.1	81.2	81.2	82.0	82.4
71.1	79.5	80.7	81.2	82.2	82.2	82.5	82.5	82.6	82.6	82.9	82.9	83.1	83.1	84.0	84.3
71.0	80.6	81.8	82.3	83.4	83.4	83.7	83.7	83.9	83.9	84.1	84.1	84.3	84.3	85.2	85.6
72.6	82.3	83.7	84.3	85.7	85.7	86.0	86.0	86.2	86.2	86.4	86.4	86.7	86.7	87.5	87.9
73.3	83.7	85.2	86.0	87.4	87.4	87.7	87.7	87.9	87.9	88.1	88.1	88.3	88.3	89.2	89.6
73.7	85.1	86.4	87.3	88.6	88.6	89.0	89.0	89.1	89.2	89.4	89.4	89.7	89.7	90.5	90.9
74.2	86.7	87.3	88.2	89.6	89.6	89.9	89.9	90.0	90.2	90.4	90.4	90.7	90.7	91.5	91.9
74.4	86.2	87.7	88.7	90.0	90.0	90.4	90.4	90.5	90.7	90.9	90.9	91.1	91.1	92.0	92.4
75.1	87.0	88.5	89.6	90.9	90.9	91.5	91.5	91.6	91.7	92.0	92.0	92.2	92.2	93.1	93.4
75.2	87.3	89.0	90.0	91.4	91.4	92.1	92.1	92.2	92.4	92.5	92.7	92.7	93.0	93.8	94.2
75.2	87.6	89.4	90.5	92.0	92.0	92.8	92.8	93.2	93.3	93.4	93.7	93.7	93.9	94.8	95.1
75.2	87.9	89.9	91.0	92.7	92.7	93.1	93.8	94.4	94.5	95.1	95.5	95.5	95.8	96.6	97.0
75.2	88.0	90.0	91.1	92.8	92.8	93.2	94.2	94.8	94.9	95.6	96.0	96.0	96.4	97.2	97.6
75.2	88.0	90.0	91.1	92.8	92.8	93.2	94.4	95.0	95.1	96.0	96.6	96.6	97.1	97.9	98.3
75.2	88.0	90.0	91.1	92.8	92.8	93.2	94.4	95.0	95.1	96.0	96.6	96.6	97.1	97.9	98.3
75.2	88.0	90.0	91.1	92.8	92.8	93.2	94.4	95.0	95.1	96.0	96.6	96.6	97.1	97.9	98.3

TOTAL NUMBER OF OBSERVATIONS 824

USAF ETAC

JOINT CLIMATOLOGY BRANCH
AFMPC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1953 WILL ROGERS IAP, OK

73-61

1957

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1952-1953

57.3	61.9	62.3	62.8	62.8	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
61.2	67.0	67.7	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
61.7	67.0	67.7	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
62.1	67.3	67.7	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
62.5	67.8	68.4	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
64.2	69.4	70.0	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
66.5	72.2	72.8	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
66.7	72.3	73.1	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
68.9	75.6	76.3	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
68.8	76.7	77.4	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
70.4	77.4	78.1	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
70.7	78.1	78.8	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
70.9	78.4	79.1	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
71.2	79.1	79.8	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
71.7	79.9	80.5	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
72.3	81.6	82.3	82.8	83.2	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
73.6	83.3	84.2	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
74.2	85.3	86.2	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
75.4	85.9	86.8	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
76.4	87.9	88.5	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
77.2	89.1	90.0	91.0	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
77.8	90.4	91.6	92.3	93.1	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
78.1	91.1	92.5	93.3	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
78.1	91.4	92.7	93.6	94.7	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
78.3	91.7	93.2	94.1	95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
78.3	92.1	93.5	94.4	95.8	96.2	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
78.5	92.5	94.0	94.9	96.5	97.0	97.5	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
78.5	92.6	94.1	95.1	96.7	97.2	97.8	98.1	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
78.5	92.6	94.1	95.1	96.7	97.2	97.8	98.1	98.1	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
78.5	92.6	94.1	95.1	96.7	97.2	97.8	98.1	98.1	98.5	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4
78.5	92.6	94.1	95.1	96.7	97.2	97.8	98.1	98.1	98.5	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 813

ROYAL CLIMATOLOGY BRANCH
PITAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

ALL ROBERTS IAP, OK

73-81

267

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

124J-142J

64.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
67.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
69.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
69.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
70.3	72.7	73.1	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
71.7	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
73.5	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
73.8	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
76.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
76.5	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
77.1	81.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
77.3	81.5	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
78.1	82.1	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
78.9	83.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
78.3	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
80.7	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
82.2	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
83.9	90.3	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
84.3	91.4	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
85.0	92.7	93.6	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
85.2	93.3	94.3	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
85.5	94.1	95.1	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
85.9	94.5	95.9	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
85.9	95.3	96.6	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
85.9	95.9	97.3	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
86.1	96.2	97.8	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
86.1	96.5	98.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
86.1	96.6	98.2	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
86.1	96.6	98.2	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
86.1	96.6	98.2	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
86.1	96.6	98.2	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 822

DATA FROM THIS FORM ARE OBSOLETE

AFSAL CLIMATOLOGY BRANCH
ETAC
AF WEATHER SERVICE/44

CEILING VERSUS VISIBILITY

2,000 4000 FEET IAP OK

73-81

207

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

69.1	70.9	71.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
75.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
75.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
75.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
75.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
77.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
78.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
79.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
81.1	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
81.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
81.6	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
82.4	85.7	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
82.9	86.7	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
83.2	87.3	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
84.1	88.5	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
84.6	89.7	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
86.1	91.2	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
87.3	92.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
87.4	93.0	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
87.9	94.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
88.0	94.7	95.5	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
88.4	95.2	96.4	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
88.5	95.3	97.0	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
88.5	95.9	97.6	97.8	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
88.5	96.6	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
88.5	96.6	98.4	98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
88.5	96.7	98.5	98.9	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
88.5	96.7	98.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
88.5	96.7	98.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
88.5	96.7	98.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
88.5	96.7	98.5	98.9	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 225

USAF ETAC 73-81 1500-1700 CEILING VERSUS VISIBILITY DATA ARE OBSOLETE

U.S. AIR FORCE CLIMATOLOGY BRANCH
WALLA WASH
U.S. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WALLA WASH 1AP 04

73-51

007

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1112-2301

70.1	71.5	71.7	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
74.8	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
75.2	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
75.3	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
75.4	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
75.5	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
77.7	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
78.2	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
81.7	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
81.1	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
81.7	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
83.5	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
86.3	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
87.8	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
88.4	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
90.7	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
91.1	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
91.5	91.5	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
92.9	92.9	93.1	93.2	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
94.1	94.1	94.3	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
94.7	94.7	95.1	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
95.2	95.2	95.4	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
95.7	95.7	96.3	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
95.8	96.6	97.2	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
96.9	97.3	98.0	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
96.3	97.3	98.0	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
96.3	97.3	98.2	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
96.3	97.3	98.2	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 613

U.S. AIR FORCE CLIMATE DIVISION
 WASHINGTON, D.C.
 AIR WEATHER SERVICE

CEILING VERSUS VISIBILITY

STATION: WILCOX, ALASKA

70-501

100

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0
69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9
71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8
72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7
74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6
76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5
78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4
80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3
82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2
84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1
86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0
88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9
90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8
91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7
93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6
95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5
97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4
99.5	99.6	99.7	99.8	99.9	100.0													

TOTAL NUMBER OF OBSERVATIONS: 5557

U.S. AIR FORCE CLIMATE DIVISION

U.S. NAVAL CLIMATOLOGY BRANCH
 1100 TAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2103 WILL ROGERS IAP OK

75-51

947

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

60.3	60.1	60.3	60.4	60.5	60.5	60.5	60.6	60.6	60.5	60.6	60.6	60.7	60.7	60.7	60.8
62.3	64.4	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	65.2	65.2	65.2	65.1
62.4	64.5	64.7	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.2
62.4	64.5	64.7	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.2
62.5	64.7	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.3	65.4
63.4	65.7	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.5
65.1	67.4	67.8	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.4
65.4	67.9	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.9
65.9	69.5	69.9	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.6
69.1	70.9	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.8	71.8	71.8	71.9	71.9	72.0
69.4	71.3	71.6	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.4
69.9	72.9	73.4	73.6	73.6	73.6	73.7	73.8	73.8	73.9	73.9	73.9	74.2	74.2	74.2	74.3
70.4	74.1	74.5	74.7	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.1	75.1	75.1	75.2	75.3
70.7	74.4	74.8	75.1	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.6	75.7
71.5	75.5	76.0	76.3	76.3	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.7	76.7	76.8	76.8
72.5	76.7	77.3	77.6	77.7	77.7	77.8	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.2	78.3
73.5	78.1	78.9	79.2	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.6	79.6	79.7	79.7	79.8
74.7	80.1	80.8	81.2	81.3	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.8
75.2	80.9	81.6	82.0	82.1	82.1	82.2	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.6
76.4	83.0	83.7	84.2	84.3	84.3	84.4	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.8	84.8
77.2	84.9	85.8	86.2	86.4	86.4	86.5	86.7	86.7	86.8	86.8	86.8	86.9	86.9	87.0	87.1
77.7	86.2	87.1	87.8	88.1	88.2	88.5	88.5	88.5	88.7	88.7	88.7	88.9	88.9	88.9	89.0
77.8	86.9	87.9	88.7	89.1	89.2	89.5	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.9	90.0
77.9	87.3	88.5	89.4	89.9	90.0	90.4	90.5	90.5	90.6	90.7	90.7	90.8	90.8	90.9	91.0
78.1	87.6	89.2	90.2	90.8	90.9	91.4	91.5	91.5	91.7	91.7	91.7	91.8	91.9	91.9	92.0
78.1	88.2	89.8	91.1	91.7	92.0	92.6	92.8	92.8	93.1	93.2	93.2	93.3	93.3	93.3	93.4
78.2	88.4	90.2	91.7	92.5	92.8	93.9	94.1	94.1	94.7	94.8	94.8	94.9	94.9	95.0	95.1
78.2	88.4	90.3	92.0	93.0	93.3	94.7	95.1	95.2	95.9	96.1	96.1	96.2	96.2	96.3	96.4
78.2	88.5	90.4	92.3	93.3	93.6	95.2	95.7	95.7	96.8	97.0	97.1	97.3	97.3	97.4	97.5
78.2	88.5	90.4	92.3	93.3	93.7	95.3	95.9	95.9	97.1	97.5	97.6	98.1	98.1	98.3	98.5
78.2	88.5	90.4	92.3	93.3	93.7	95.3	95.9	95.9	97.1	97.8	97.8	98.5	98.7	99.2	99.5
78.2	88.5	90.4	92.3	93.3	93.7	95.3	95.9	95.9	97.1	97.8	97.8	98.6	98.7	99.41	100.0

TOTAL NUMBER OF OBSERVATIONS 5334

U.S. NAVAL CLIMATOLOGY BRANCH, WASHINGTON, D.C. 20340-5000

WORLD WEATHER SERVICE
METAC
WORLD WEATHER SERVICE

CEILING VERSUS VISIBILITY

WORLD WEATHER SERVICE

73-51

280

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-10-1955

64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
67.5	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
67.3	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
67.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
67.4	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
71.0	74.8	74.8	74.8	74.8	74.8	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
71.1	75.0	75.1	75.0	75.0	75.0	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
71.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
71.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
71.3	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
72.1	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
72.5	77.6	77.6	77.6	77.6	77.6	77.6	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
72.9	77.3	77.9	77.9	77.9	77.9	77.9	78.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
73.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
73.2	78.2	78.5	78.5	78.5	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
74.1	77.9	80.3	80.3	80.3	80.3	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
74.7	81.0	81.5	81.5	81.5	81.5	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
75.3	81.9	82.3	82.5	82.5	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
75.8	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
77.4	86.7	87.4	87.5	87.8	87.8	87.8	88.3	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
77.6	88.1	89.4	89.6	90.3	90.3	90.3	90.9	91.1	91.1	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
77.6	88.5	90.7	90.9	91.8	91.8	91.8	92.4	92.5	92.5	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
77.9	89.1	91.4	91.3	92.5	92.5	92.5	93.3	93.5	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
77.9	89.4	91.9	92.0	93.3	93.3	93.3	94.3	94.4	94.4	94.9	95.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
77.9	89.7	91.3	92.4	94.1	94.1	94.1	95.1	95.4	95.4	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
77.9	89.8	91.4	92.6	94.4	94.4	94.4	95.5	96.0	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
77.9	89.3	91.4	92.6	94.4	94.4	94.4	95.6	96.1	96.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
77.9	89.8	91.4	92.6	94.4	94.4	94.4	95.8	96.4	96.4	97.8	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
77.9	89.8	91.4	92.6	94.4	94.4	94.4	95.8	96.4	96.4	97.8	98.7	98.7	98.7	99.0	99.2	99.2	99.2	99.2	99.2
77.9	89.8	91.4	92.6	94.4	94.4	94.4	95.8	96.4	96.4	98.1	98.9	98.9	98.9	99.3	99.6	99.9	99.9	99.9	99.9
77.9	89.8	91.4	92.6	94.4	94.4	94.4	95.8	96.4	96.4	98.1	98.9	98.9	98.9	99.3	99.6	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 287

WORLD WEATHER SERVICE

CEILING VERSUS VISIBILITY

WALL - 1000 FT. AP. 100

75-81

500

FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-10-2000

68.0	68.7	69.0	69.3	69.7	69.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
70.0	70.3	70.7	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
71.0	71.0	71.7	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
72.0	72.0	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
73.0	73.0	73.7	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
74.0	74.2	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
75.0	75.0	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
76.0	76.0	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
77.0	77.0	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
78.0	78.0	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
79.0	79.0	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
80.0	80.0	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
81.0	81.0	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
82.0	82.0	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
83.0	83.0	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
84.0	84.0	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
85.0	85.0	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
86.0	86.0	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
87.0	87.0	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
88.0	88.0	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
89.0	89.0	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
90.0	90.0	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
91.0	91.0	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
92.0	92.0	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
93.0	93.0	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
94.0	94.0	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
95.0	95.0	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
96.0	96.0	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
97.0	97.0	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
98.0	98.0	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
99.0	99.0	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100.0	100.0	100.7	100.7	100.7	100.7	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8

TOTAL NUMBER OF OBSERVATIONS 511

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN,
OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

the 1990s, the number of people in the United States who are 65 years of age or older is projected to increase from 20 million to 30 million, and the number of people 75 years of age or older is projected to increase from 10 million to 15 million (U.S. Census Bureau, 1997). The number of people 85 years of age or older is projected to increase from 2 million to 4 million (U.S. Census Bureau, 1997). The number of people 90 years of age or older is projected to increase from 500,000 to 1 million (U.S. Census Bureau, 1997). The number of people 95 years of age or older is projected to increase from 100,000 to 200,000 (U.S. Census Bureau, 1997). The number of people 100 years of age or older is projected to increase from 10,000 to 20,000 (U.S. Census Bureau, 1997).

TABLE 1. *Summary of the 1997-1998 and 1998-1999 seasons. The number of fish collected, the number of fish that were sexed, and the number of fish that were aged are given. The number of fish that were sexed and aged are given in parentheses. The number of fish that were sexed and aged are given in parentheses. The number of fish that were sexed and aged are given in parentheses.*

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

[illegible]

STATION	DATE	TIME	NAME	FILE	REMARKS

[illegible]

1994

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

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* Δ = 0.0001, ** = 0.0005

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| MONTH | HOURS
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INCHES |
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USAFETAC

FORM 095 :OL A:

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

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SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]

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SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]

1. *A* 2. *B* 3. *C* 4. *D* 5. *E* 6. *F* 7. *G* 8. *H* 9. *I* 10. *J* 11. *K* 12. *L* 13. *M* 14. *N* 15. *O* 16. *P* 17. *Q* 18. *R* 19. *S* 20. *T* 21. *U* 22. *V* 23. *W* 24. *X* 25. *Y* 26. *Z* 27. *AA* 28. *AB* 29. *AC* 30. *AD* 31. *AE* 32. *AF* 33. *AG* 34. *AH* 35. *AI* 36. *AJ* 37. *AK* 38. *AL* 39. *AM* 40. *AN* 41. *AO* 42. *AP* 43. *AQ* 44. *AR* 45. *AS* 46. *AT* 47. *AU* 48. *AV* 49. *AW* 50. *AX* 51. *AY* 52. *AZ* 53. *BA* 54. *BB* 55. *BC* 56. *BD* 57. *BE* 58. *BF* 59. *BG* 60. *BH* 61. *BI* 62. *BJ* 63. *BK* 64. *BL* 65. *BM* 66. *BN* 67. *BO* 68. *BP* 69. *BQ* 70. *BR* 71. *BS* 72. *BT* 73. *BU* 74. *BV* 75. *BW* 76. *BX* 77. *BY* 78. *BZ* 79. *CA* 80. *CB* 81. *CC* 82. *CD* 83. *CE* 84. *CF* 85. *CG* 86. *CH* 87. *CI* 88. *CJ* 89. *CK* 90. *CL* 91. *CM* 92. *CN* 93. *CO* 94. *CP* 95. *CQ* 96. *CR* 97. *CS* 98. *CT* 99. *CU* 100. *CV* 101. *CW* 102. *CX* 103. *CY* 104. *CZ* 105. *DA* 106. *DB* 107. *DC* 108. *DD* 109. *DE* 110. *DF* 111. *DG* 112. *DH* 113. *DI* 114. *DJ* 115. *DK* 116. *DL* 117. *DM* 118. *DN* 119. *DO* 120. *DP* 121. *DQ* 122. *DR* 123. *DS* 124. *DT* 125. *DU* 126. *DV* 127. *DW* 128. *DX* 129. *DY* 130. *DZ* 131. *EA* 132. *EB* 133. *EC* 134. *ED* 135. *EE* 136. *EF* 137. *EG* 138. *EH* 139. *EI* 140. *EJ* 141. *EK* 142. *EL* 143. *EM* 144. *EN* 145. *EO* 146. *EP* 147. *EQ* 148. *ER* 149. *ES* 150. *ET* 151. *EU* 152. *EV* 153. *EW* 154. *EX* 155. *EY* 156. *EZ* 157. *FA* 158. *FB* 159. *FC* 160. *FD* 161. *FE* 162. *FF* 163. *FG* 164. *FH* 165. *FI* 166. *FJ* 167. *FK* 168. *FL* 169. *FM* 170. *FN* 171. *FO* 172. *FP* 173. *FQ* 174. *FR* 175. *FS* 176. *FT* 177. *FU* 178. *FV* 179. *FW* 180. *FX* 181. *FY* 182. *FZ* 183. *GA* 184. *GB* 185. *GC* 186. *GD* 187. *GE* 188. *GF* 189. *GG* 190. *GH* 191. *GI* 192. *GJ* 193. *GK* 194. *GL* 195. *GM* 196. *GN* 197. *GO* 198. *GP* 199. *GQ* 200. *GR* 201. *GS* 202. *GT* 203. *GU* 204. *GV* 205. *GW* 206. *GX* 207. *GY* 208. *GZ* 209. *HA* 210. *HB* 211. *HC* 212. *HD* 213. *HE* 214. *HF* 215. *HG* 216. *HH* 217. *HI* 218. *HJ* 219. *HK* 220. *HL* 221. *HM* 222. *HN* 223. *HO* 224. *HP* 225. *HQ* 226. *HR* 227. *HS* 228. *HT* 229. *HU* 230. *HV* 231. *HW* 232. *HX* 233. *HY* 234. *HZ* 235. *IA* 236. *IB* 237. *IC* 238. *ID* 239. *IE* 240. *IF* 241. *IG* 242. *IH* 243. *II* 244. *IJ* 245. *IK* 246. *IL* 247. *IM* 248. *IN* 249. *IO* 250. *IP* 251. *IQ* 252. *IR* 253. *IS* 254. *IT* 255. *IU* 256. *IV* 257. *IW* 258. *IX* 259. *IY* 260. *IZ* 261. *JA* 262. *JB* 263. *JC* 264. *JD* 265. *JE* 266. *JF* 267. *JG* 268. *JH* 269. *JI* 270. *JJ* 271. *JK* 272. *JL* 273. *JM* 274. *JN* 275. *JO* 276. *JP* 277. *JQ* 278. *JR* 279. *JS* 280. *JT* 281. *JU* 282. *JV* 283. *JW* 284. *JX* 285. *JY* 286. *JZ* 287. *KA* 288. *KB* 289. *KC* 290. *KD* 291. *KE* 292. *KF* 293. *KG* 294. *KH* 295. *KI* 296. *KJ* 297. *KK* 298. *KL* 299. *KM* 300. *KN* 301. *KO* 302. *KP* 303. *KQ* 304. *KR* 305. *KS* 306. *KT* 307. *KU* 308. *KV* 309. *KW* 310. *KX* 311. *KY* 312. *KZ* 313. *LA* 314. *LB* 315. *LC* 316. *LD* 317. *LE* 318. *LF* 319. *LG* 320. *LH* 321. *LI* 322. *LJ* 323. *LK* 324. *LL* 325. *LM* 326. *LN* 327. *LO* 328. *LP* 329. *LQ* 330. *LR* 331. *LS* 332. *LT* 333. *LU* 334. *LV* 335. *LW* 336. *LX* 337. *LY* 338. *LZ* 339. *MA* 340. *MB* 341. *MC* 342. *MD* 343. *ME* 344. *MF* 345. *MG* 346. *MH* 347. *MI* 348. *MJ* 349. *MK* 350. *ML* 351. *MM* 352. *MN* 3

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME STATION NAME YEARS

| MONTH
YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL
MONTHS |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|
| 1 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 2 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 3 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 4 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 5 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 6 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 7 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 8 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 9 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 10 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 11 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 12 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 13 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 14 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 15 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 16 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 17 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 18 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 19 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 20 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 21 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 22 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 23 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 24 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 25 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 26 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 27 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 28 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 29 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 30 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 31 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

NOTES: 1. BASED ON LESS THAN FULL MONTHS
2. (AT LEAST TWO OBS LESS THAN FULL MONTHS)

USAF ETAC FORM 088-5 (OLA)

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION STATION NAME YEARS

UNIT OF MEASUREMENT

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| YEAR | | | | | | | | | | | | | |
| 1 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 2 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 3 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 4 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 5 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 6 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 7 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 8 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 9 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 10 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 11 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 12 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 13 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 14 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 15 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 16 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 17 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 18 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 19 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 20 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 21 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 22 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 23 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 24 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 25 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 26 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 27 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 28 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 29 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 30 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 31 | | 61 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| MEAN | | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| S D | | 2.592 | 2.405 | 4.354 | 2.531 | 2.443 | 2.443 | 2.443 | 2.443 | 2.443 | 2.443 | 2.443 | 2.443 |
| TOTAL OBS | | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |

NOTES: 1. BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0885 (OLA)

2. NOT LOWER THAN DAY LESS THAN 25 (AS)

FROM DAILY OBSERVATIONS

YEARS

[illegible]

USAF ETAC FORM 0 88.5 (OLA)
JUL 64

127 L'24 11 1945 DAY 275 T-44, 2000

FROM DAILY OBSERVATIONS.

2000

STATION NAME

YEARS

100-443687-1

[illegible]

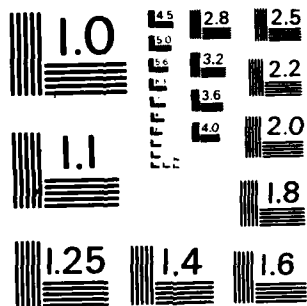
USAF ETAC FORM 0885 (OLA)

UNCLASSIFIED

WILL ROGERS IAP OKLAHOMA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 27 OCT 82
USAFETAC/DS-82/057 SBI-AD-E850 357 F/G 4/2

4/6

NI



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 7 7375-7500
HOURS 1 5 1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 2900-1100
HOURS L. S. T.

[illegible]

REVISIONS OF PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

JSAFETAC

PSYCHROMETRIC SUMMARY

| | |
|---------|--------------------|
| 72.73 | WILL ROGERS IAP 04 |
| STATION | STATION NAME |

73-21

YEARS

U.S.
MARINE

DATE 12-14-50
HOURS 5-7

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

— J. E. V.
MONTANA

1524-1744
HOURS: 10:30 A.M. - 5:00 P.M.

[illegible]

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-01

YEARS

٥٤٠
محمّد

PAGE 150-170
HOURS 11.5, 1.

[illegible]

ALL OTHERS ARE SUBJECT TO SCHEDULING DISCREPANCY

0-26-S (OL A)

FORM 41

USAFETAC

PSYCHROMETRIC SUMMARY

75-51

YEARS

2000

7-2220

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MAY

PAGE 2 7175-2300
HOURS 11:30

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | | |
|--------------|-------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|--|----|--|--|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 1 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 2 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 3 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 4 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 5 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 6 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| 7 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | | |
| 8 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| 9 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| 10 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| 11 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | | |
| 12 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | |
| 13 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | | | |
| 14 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | | | |
| 15 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | |
| 16 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | | | |
| 17 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | | | |
| 18 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | | | |
| 19 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | | | |
| 20 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | | | |
| 21 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

۱۵۰۰

24.5

ALL

NO. 105

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 0000-1200
HOURS 12.00

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 2322-2542
HOURS 11:51 P.

[illegible]

PSYCHROMETRIC SUMMARY

55 -
M.M.M.

PAGE 2 03-05-2003
MOUSE

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FF =
MONTE

PAGE 2 60-7810
HOURS 1:57

[illegible]

USAFETAC
POLARIS
AUG 84
0 26.5 (OL A)
REMOVED FROM THE TOWERS (AT THE) K/AN AIR C-130A/1178

PSYCHROMETRIC SUMMARY

150

14-00000-24-1
HOURS 5

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

100-1000

| Temp
F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------------|----------|----------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | + 31 | D.B. - W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 74.3 | 74.3 | 74.3 | 74.3 |
| 101 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 75.3 | 75.3 | 75.3 | 75.3 | |
| 102 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 76.3 | 76.3 | 76.3 | 76.3 | | |
| 103 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10.0 | 77.3 | 77.3 | 77.3 | 77.3 | | | |
| 104 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | | | | | | | | | | | | | | |

JSAFETAC **AQZM** **0.26 5 (OLA)** **REVISED PERVIOUS EDITIONS IF THIS PAGE ARE OBSOLETE**

PSYCHROMETRIC SUMMARY

YEARS

[illegible][illegible]

PSYCHROMETRIC SUMMARY

YEARS

100

21-7-2

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|-------------|-------------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 1 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 2 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 3 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 4 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 5 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 6 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 7 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 8 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 9 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 10 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 11 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 12 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 13 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
| 14 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
|-----------|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|--------------------|----------|----------|-----------|
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PSYCHROMETRIC SUMMARY

YEARS

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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

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OFFICE MEMORANDUM FOR THE SECRETARY OF DEFENSE

PSYCHROMETRIC SUMMARY

YEARS

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

44

PAGE 15 15-00000
HOURS

| Temp
°F | WET BULB TEMPERATURE DEPRESSION (°F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|------------|--------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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YEARS

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| Temp
F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B. W.B. | | TOTAL Wet Bulb Dew Point | |
|-----------|-------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------|----------|--------------------------|-----------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Dry Bulb | Wet Bulb | Dew Point |

PSYCHROMETRIC SUMMARY

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4. $\mathbf{A} = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$, $\mathbf{B} = \begin{bmatrix} 4 & 3 \\ 2 & 1 \end{bmatrix}$

| Temp | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|------|-------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|
| F | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
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PSYCHROMETRIC SUMMARY

YEARS

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USAFETAC FORM
JUL 84 0 26 5 (CL A) REF-SEC AIRCRAFT INFORMATION & TECH SUPPORT & JPR

[illegible]

YEARS

5. A. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 84

C. A. J. Nijmeijer

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PSYCHROMETRIC SUMMARY

22

| Temp
F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|-----------|-------------------------------------|---|---|---|---|---|---|-----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|---------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. WB | Dry Bulb | Wet Bulb | Dew Point |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
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| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
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| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
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USAFETAC

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

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100-2100
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FORM 0-26.5 (OL A)
RE-SEC. REQUIREMENTS FOR ALL INFORMATION CONTAINED HEREIN

PSYCHROMETRIC SUMMARY

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DATE 10-2-77
HOURS 11:00

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0.265 (OLA)

USAFETAC

YEARS

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2000

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0265 (OLA)
REF ID: A67493

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≤ 93 F

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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USAFETAC

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VEARS

| STATE | NAME | STATE | NAME |
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| ALASKA | ALASKA | ALASKA | ALASKA |
| ARIZONA | ARIZONA | ARIZONA | ARIZONA |
| ARKANSAS | ARKANSAS | ARKANSAS | ARKANSAS |
| CALIFORNIA | CALIFORNIA | CALIFORNIA | CALIFORNIA |
| COLORADO | COLORADO | COLORADO | COLORADO |
| CONNECTICUT | CONNECTICUT | CONNECTICUT | CONNECTICUT |
| DELAWARE | DELAWARE | DELAWARE | DELAWARE |
| FLORIDA | FLORIDA | FLORIDA | FLORIDA |
| GEORGIA | GEORGIA | GEORGIA | GEORGIA |
| HAWAII | HAWAII | HAWAII | HAWAII |
| ILLINOIS | ILLINOIS | ILLINOIS | ILLINOIS |
| INDIANA | INDIANA | INDIANA | INDIANA |
| IOWA | IOWA | IOWA | IOWA |
| KANSAS | KANSAS | KANSAS | KANSAS |
| KENTUCKY | KENTUCKY | KENTUCKY | KENTUCKY |
| LOUISIANA | LOUISIANA | LOUISIANA | LOUISIANA |
| MAINE | MAINE | MAINE | MAINE |
| MARYLAND | MARYLAND | MARYLAND | MARYLAND |
| MASSACHUSETTS | MASSACHUSETTS | MASSACHUSETTS | MASSACHUSETTS |
| MICHIGAN | MICHIGAN | MICHIGAN | MICHIGAN |
| MINNESOTA | MINNESOTA | MINNESOTA | MINNESOTA |
| MISSISSIPPI | MISSISSIPPI | MISSISSIPPI | MISSISSIPPI |
| MISSOURI | MISSOURI | MISSOURI | MISSOURI |
| MONTANA | MONTANA | MONTANA | MONTANA |
| NEBRASKA | NEBRASKA | NEBRASKA | NEBRASKA |
| NEVADA | NEVADA | NEVADA | NEVADA |
| NEW HAMPSHIRE | NEW HAMPSHIRE | NEW HAMPSHIRE | NEW HAMPSHIRE |
| NEW JERSEY | NEW JERSEY | NEW JERSEY | NEW JERSEY |
| NEW YORK | NEW YORK | NEW YORK | NEW YORK |
| NORTH CAROLINA | NORTH CAROLINA | NORTH CAROLINA | NORTH CAROLINA |
| NORTH DAKOTA | NORTH DAKOTA | NORTH DAKOTA | NORTH DAKOTA |
| OHIO | OHIO | OHIO | OHIO |
| OKLAHOMA | OKLAHOMA | OKLAHOMA | OKLAHOMA |
| OREGON | OREGON | OREGON | OREGON |
| PENNSYLVANIA | PENNSYLVANIA | PENNSYLVANIA | PENNSYLVANIA |
| RHODE ISLAND | RHODE ISLAND | RHODE ISLAND | RHODE ISLAND |
| SOUTH CAROLINA | SOUTH CAROLINA | SOUTH CAROLINA | SOUTH CAROLINA |
| SOUTH DAKOTA | SOUTH DAKOTA | SOUTH DAKOTA | SOUTH DAKOTA |
| TENNESSEE | TENNESSEE | TENNESSEE | TENNESSEE |
| TEXAS | TEXAS | TEXAS | TEXAS |
| UTAH | UTAH | UTAH | UTAH |
| VERMONT | VERMONT | VERMONT | VERMONT |
| VIRGINIA | VIRGINIA | VIRGINIA | VIRGINIA |
| WASHINGTON | WASHINGTON | WASHINGTON | WASHINGTON |
| WEST VIRGINIA | WEST VIRGINIA | WEST VIRGINIA | WEST VIRGINIA |
| WISCONSIN | WISCONSIN | WISCONSIN | WISCONSIN |
| WYOMING | WYOMING | WYOMING | WYOMING |

—

10

USAFETYAC

PSYCHROMETRIC SUMMARY

YEARS

2000

[illegible]

USAFETAC
FORM
JUL 04
0-20.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

245

[illegible][illegible]

PSYCHROMETRIC SUMMARY

YFAPS

243-1-17-1

| Temp
F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | | |
|-----------|-------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|---------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Pt. |
| 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

YEARS

[illegible]

PSYCHROMETRIC SUMMARY

DATE: 11/11/1964

• • •

YEARS

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22.

100

USAFETAC
NOV 64
0-26-5 (OL A)
ST-SEL PER-MOUS FOR-ONES OF-THAT-PL-ONE-AGE-PL-ONE

WILL ROGERS IAP OKLAHOMA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 27 OCT 82
USAFETAC/DS-82/057 SBI-AD-E850 357 F/G 4/2

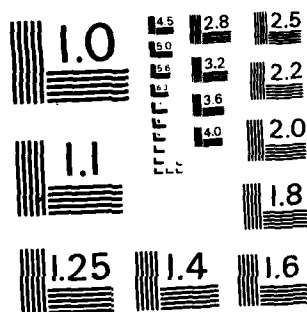
516

UNCLASSIFIED

TECHNICAL APPLICATIONS CENTER SCOT
USAFETAC/DS-82/057 SBI-AD-E850 357

27 OCT 82
F/G 4/2

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 2629-08-2
HOURS S. T.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 7900-1100
MOUSE S. T.

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| / 97 | | | | | | | | | | .2 | .4 | | | | .1 | .2 | | 3 | 3 | | | | | | | | | | | | | | | | |
| / 97 | | | | | | | | | | .2 | .4 | | | | .2 | | | 1 | 1 | | | | | | | | | | | | | | | | |
| / 93 | | | | | | | | .1 | .4 | .9 | 1.0 | .4 | .5 | | | | | 27 | 27 | | | | | | | | | | | | | | | | |
| / 94 | | | | | | | | .2 | 1.8 | 1.9 | .1 | .2 | .1 | | | | | 37 | 37 | | | | | | | | | | | | | | | | |
| / 87 | | | | | | .1 | .4 | 2.6 | 3.6 | .7 | .9 | .7 | .1 | | | | | 75 | 75 | | | | | | | | | | | | | | | | |
| / 87 | | | | .1 | .1 | | | 2.8 | 6.4 | 1.8 | 1.1 | .2 | .1 | | | | | 106 | 106 | | | | | | | | | | | | | | | | |
| / 85 | | | | .1 | .1 | 3.3 | 4.5 | 2.2 | 1.6 | .2 | .2 | | | | | | | 101 | 101 | | | | | | | | | | | | | | | | |
| / 83 | | | | | 1.1 | 4.9 | 2.3 | .9 | .5 | .2 | | | | | | | | 81 | 81 | | | | | | | | | | | | | | | | |
| / 81 | | | | .4 | 3.5 | 3.4 | 2.5 | 1.2 | .5 | .1 | | | | | | | | 98 | 98 | | | | | | | | | | | | | | | | |
| / 77 | | | .4 | 1.8 | 3.5 | 2.6 | .9 | .5 | .2 | | | | | | | | | 81 | 81 | | | | | | | | | | | | | | | | |
| / 77 | | | .9 | 1.7 | 1.3 | 1.1 | .9 | .9 | | .1 | | | | | | | | 56 | 56 | 16 | 3 | | | | | | | | | | | | | | |
| / 75 | | .1 | .7 | 1.2 | 1.7 | 1.1 | .3 | .2 | .1 | | | | | | | | | 46 | 48 | 162 | 3 | | | | | | | | | | | | | | |
| / 75 | | .6 | .7 | 1.7 | .5 | .6 | .1 | | .1 | | | | | | | | | 37 | 37 | 246 | 15 | | | | | | | | | | | | | | |
| / 71 | | 1.1 | 1.3 | .9 | .1 | .2 | | | | | | | | | | | | 29 | 29 | 131 | 79 | | | | | | | | | | | | | | |
| / 59 | | 1.1 | 1.5 | .9 | .1 | .1 | | | | | | | | | | | | 25 | 25 | 174 | 197 | | | | | | | | | | | | | | |
| / 67 | | .1 | .2 | .4 | | | | | | | | | | | | | | 6 | 6 | 81 | 168 | | | | | | | | | | | | | | |
| / 65 | | .1 | .2 | | | | | | | | | | | | | | | 3 | 3 | 47 | 114 | | | | | | | | | | | | | | |
| / 61 | | | | | | | | | | | | | | | | | | | | 23 | 68 | | | | | | | | | | | | | | |
| / 59 | | | | | | | | | | | | | | | | | | | | 6 | 56 | | | | | | | | | | | | | | |
| / 57 | | | | | | | | | | | | | | | | | | | | 4 | 33 | | | | | | | | | | | | | | |
| / 55 | | | | | | | | | | | | | | | | | | | | | 26 | | | | | | | | | | | | | | |
| / 53 | | | | | | | | | | | | | | | | | | | | | 18 | | | | | | | | | | | | | | |
| / 51 | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | |
| / 47 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| / 47 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| / 45 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| T 14L | 2.9 | 5.5 | 9.1 | 12.3 | 17.4 | 15.3 | 15.2 | 10.7 | 5.6 | 2.8 | 1.8 | .7 | .5 | | .2 | | | 823 | | | 823 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 823 | | | 823 | | | | | | | | | | | | | | |

| Element (X) | Z _X ² | Z _X | X | σ _X | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-----------------------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 3.11259 | 48475 | 58.9 | 13.777 | 823 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 5569848 | 68113 | 82.8 | 6.354 | 823 | | | 92.7 | 85.9 | 65.4 | 4.5 | 93 |
| Wet Bulb | 4245265 | 5902 | 71.7 | 3.546 | 823 | | | 84.0 | 48.3 | .5 | | 93 |
| Dew Point | 3524414 | 54462 | 66.2 | 4.646 | 823 | | | 53.0 | 2.8 | .1 | | 93 |

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-51

YEARS

AUG
MONTH

PAGE 1 1200-1400
HOURS 10. S. T.

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | |
|--------------|-------------------------------------|------------|----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|----|-------|-----------|----------|----------|-----------|----|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 1 / 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 | 1 | 1 | | | |
| 1 / 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .2 | 2 | 2 | | | |
| 1 / 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 | 1 | 1 | | | |
| 2 / 74 | | | | | | | | | | | | | | | | | | | | | | | | | | .6 | .5 | .6 | .1 | | | 15 | 15 | | | | | |
| 2 / 73 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.7 | 1.1 | 1.2 | .1 | .4 | | 37 | 37 | | | | | |
| 2 / 72 | | | | | | | | | | | | | | | | | | | | .1 | 1.0 | 1.7 | 2.3 | .2 | .7 | .1 | | | | | | .1 | 51 | 51 | | | | |
| 2 / 71 | | | | | | | | | | | | | | | | | | | .7 | 1.2 | 2.3 | 2.3 | .7 | .2 | | | | | | | | .1 | 59 | 59 | | | | |
| 2 / 70 | | | | | | | | | | | | | | | | | | | .1 | 1.2 | 4.5 | 4.5 | 1.2 | .4 | .1 | .2 | | | | | | | 1.1 | 121 | | | | |
| 2 / 69 | | | | | | | | | | | | | | | | | | | .2 | 1.5 | 5.5 | 4.5 | 1.1 | 1.7 | .1 | | | | | | | | 115 | 115 | | | | |
| 2 / 68 | | | | | | | | | | | | | | | | | | | .7 | 4.8 | 4.8 | 2.1 | 2.0 | .5 | | .4 | | | | | | | 124 | 124 | | | | |
| 2 / 67 | | | | | | | | | | | | | | | | | | | .4 | 2.3 | 3.8 | 1.7 | 1.3 | .4 | .2 | | | | | | | | 83 | 83 | | | | |
| 2 / 66 | | | | | | | | | | | | | | | | | | | .1 | 1.1 | 1.5 | 1.3 | 1.1 | .5 | .7 | | | | | | | | 62 | 62 | | | | |
| 2 / 65 | | | | | | | | | | | | | | | | | | | .5 | 1.3 | 1.2 | 1.2 | .5 | .6 | | | | | | | | | 41 | 41 | | | | |
| 2 / 64 | | | | | | | | | | | | | | | | | | | .9 | 1.1 | .6 | .1 | .2 | | | | | | | | | | 38 | 38 | | | | |
| 2 / 63 | | | | | | | | | | | | | | | | | | | .5 | 1.0 | .5 | .5 | .2 | .2 | .1 | | | | | | | | 31 | 31 | | | | |
| 7 / 77 | | | | | .1 | .2 | | | | | | | | | | | | | .2 | .2 | .1 | | | | | | | | | | | | 24 | 24 | | | | |
| 3 / 76 | | | | | .7 | .6 | .4 | | | | | | | | | | | | .1 | | | | | | | | | | | | | | 16 | 16 | | | | |
| 4 / 75 | | | | | .2 | .2 | 1.2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | | | | |
| 4 / 74 | | | | | .6 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | | | | |
| 4 / 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 83 | 179 | | |
| 4 / 72 | | | | | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | | |
| 4 / 65 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | |
| 4 / 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 120 | | |
| 4 / 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 99 | | |
| 4 / 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 65 | |
| 4 / 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 40 | | |
| 5 / 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | | |
| 5 / 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | |
| 5 / 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | | |
| 5 / 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 5 / 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 5 / 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 4 / 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Element (X) | ΣX^2 | ΣX | Σ | σ_A | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ref. Num. | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

PAGE 7 127-1403
HOURS: 8, 5, 1.

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|----|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 74.6 | | .9 | 1.5 | 3.9 | 3.1 | 5.7 | 7.9 | 13.9 | 15.4 | 15.5 | 12.1 | 8.7 | 5.3 | 2.7 | 1.8 | .7 | .5 | | | | | | | | | | | | | | | | | 819 | 819 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

Aug
MONTH

PAGE 1 1500-1700
HOURS L. S. T.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (O.L.A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

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MONTH

PAGE 2 1500-1700
HOURS C.S.T.

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | | | | 1.6 | 2.5 | 3.3 | 4.3 | 5.1 | 5.4 | 5.7 | 6.1 | 6.4 | 6.7 | 7.1 | 7.4 | 7.6 | 7.8 | 8.1 | 8.3 | 8.5 | 8.7 | 8.9 | 9.1 | 9.3 | 9.5 | 9.7 | 9.9 | 10.1 | 10.3 | 10.5 | 10.7 | 10.9 | 11.1 | 11.3 | 11.5 | 11.7 | 11.9 | 12.1 | 12.3 | 12.5 | 12.7 | 12.9 | 13.1 | 13.3 | 13.5 | 13.7 | 13.9 | 14.1 | 14.3 | 14.5 | 14.7 | 14.9 | 15.1 | 15.3 | 15.5 | 15.7 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.9 | 17.1 | 17.3 | 17.5 | 17.7 | 17.9 | 18.1 | 18.3 | 18.5 | 18.7 | 18.9 | 19.1 | 19.3 | 19.5 | 19.7 | 19.9 | 20.1 | 20.3 | 20.5 | 20.7 | 20.9 | 21.1 | 21.3 | 21.5 | 21.7 | 21.9 | 22.1 | 22.3 | 22.5 | 22.7 | 22.9 | 23.1 | 23.3 | 23.5 | 23.7 | 23.9 | 24.1 | 24.3 | 24.5 | 24.7 | 24.9 | 25.1 | 25.3 | 25.5 | 25.7 | 25.9 | 26.1 | 26.3 | 26.5 | 26.7 | 26.9 | 27.1 | 27.3 | 27.5 | 27.7 | 27.9 | 28.1 | 28.3 | 28.5 | 28.7 | 28.9 | 29.1 | 29.3 | 29.5 | 29.7 | 29.9 | 30.1 | 30.3 | 30.5 | 30.7 | 30.9 | 31.1 | 31.3 | 31.5 | 31.7 | 31.9 | 32.1 | 32.3 | 32.5 | 32.7 | 32.9 | 33.1 | 33.3 | 33.5 | 33.7 | 33.9 | 34.1 | 34.3 | 34.5 | 34.7 | 34.9 | 35.1 | 35.3 | 35.5 | 35.7 | 35.9 | 36.1 | 36.3 | 36.5 | 36.7 | 36.9 | 37.1 | 37.3 | 37.5 | 37.7 | 37.9 | 38.1 | 38.3 | 38.5 | 38.7 | 38.9 | 39.1 | 39.3 | 39.5 | 39.7 | 39.9 | 40.1 | 40.3 | 40.5 | 40.7 | 40.9 | 41.1 | 41.3 | 41.5 | 41.7 | 41.9 | 42.1 | 42.3 | 42.5 | 42.7 | 42.9 | 43.1 | 43.3 | 43.5 | 43.7 | 43.9 | 44.1 | 44.3 | 44.5 | 44.7 | 44.9 | 45.1 | 45.3 | 45.5 | 45.7 | 45.9 | 46.1 | 46.3 | 46.5 | 46.7 | 46.9 | 47.1 | 47.3 | 47.5 | 47.7 | 47.9 | 48.1 | 48.3 | 48.5 | 48.7 | 48.9 | 49.1 | 49.3 | 49.5 | 49.7 | 49.9 | 50.1 | 50.3 | 50.5 | 50.7 | 50.9 | 51.1 | 51.3 | 51.5 | 51.7 | 51.9 | 52.1 | 52.3 | 52.5 | 52.7 | 52.9 | 53.1 | 53.3 | 53.5 | 53.7 | 53.9 | 54.1 | 54.3 | 54.5 | 54.7 | 54.9 | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 | 57.3 | 57.5 | 57.7 | 57.9 | 58.1 | 58.3 | 58.5 | 58.7 | 58.9 | 59.1 | 59.3 | 59.5 | 59.7 | 59.9 | 60.1 | 60.3 | 60.5 | 60.7 | 60.9 | 61.1 | 61.3 | 61.5 | 61.7 | 61.9 | 62.1 | 62.3 | 62.5 | 62.7 | 62.9 | 63.1 | 63.3 | 63.5 | 63.7 | 63.9 | 64.1 | 64.3 | 64.5 | 64.7 | 64.9 | 65.1 | 65.3 | 65.5 | 65.7 | 65.9 | 66.1 | 66.3 | 66.5 | 66.7 | 66.9 | 67.1 | 67.3 | 67.5 | 67.7 | 67.9 | 68.1 | 68.3 | 68.5 | 68.7 | 68.9 | 69.1 | 69.3 | 69.5 | 69.7 | 69.9 | 70.1 | 70.3 | 70.5 | 70.7 | 70.9 | 71.1 | 71.3 | 71.5 | 71.7 | 71.9 | 72.1 | 72.3 | 72.5 | 72.7 | 72.9 | 73.1 | 73.3 | 73.5 | 73.7 | 73.9 | 74.1 | 74.3 | 74.5 | 74.7 | 74.9 | 75.1 | 75.3 | 75.5 | 75.7 | 75.9 | 76.1 | 76.3 | 76.5 | 76.7 | 76.9 | 77.1 | 77.3 | 77.5 | 77.7 | 77.9 | 78.1 | 78.3 | 78.5 | 78.7 | 78.9 | 79.1 | 79.3 | 79.5 | 79.7 | 79.9 | 80.1 | 80.3 | 80.5 | 80.7 | 80.9 | 81.1 | 81.3 | 81.5 | 81.7 | 81.9 | 82.1 | 82.3 | 82.5 | 82.7 | 82.9 | 83.1 | 83.3 | 83.5 | 83.7 | 83.9 | 84.1 | 84.3 | 84.5 | 84.7 | 84.9 | 85.1 | 85.3 | 85.5 | 85.7 | 85.9 | 86.1 | 86.3 | 86.5 | 86.7 | 86.9 | 87.1 | 87.3 | 87.5 | 87.7 | 87.9 | 88.1 | 88.3 | 88.5 | 88.7 |

PSYCHROMETRIC SUMMARY

1203 WILL ROGERS IAP OK
STATION STATION NAME

73-01

YEARS

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MONTH

PAGE : 1000-2000
HOURS : 5.00

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PSYCHROMETRIC SUMMARY

| | |
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| 23 | WILL ROGERS IAP OK |
| STATION | STATION NAME |

73-81

YEARS

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PAGE 210-230
HOURS 5.5.1

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PSYCHROMETRIC SUMMARY

YEARS

ADD
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2437

40-85

PSYCHROMETRIC SUMMARY

73-01

YEARS

SEP
MONTH

PAGE 1 1210-1410
HOURS 12.5.10

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | .1 | .1 | .5 | .1 | | | 7 | 7 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | .1 | .1 | .1 | .4 | | | 6 | 6 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | .3 | .4 | .3 | .4 | | | 29 | 29 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | .1 | .3 | .9 | 1.5 | 1.8 | .6 | | 42 | 42 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | .1 | .5 | 1.0 | 1.9 | 1.4 | .1 | .1 | | | | 43 | 43 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | .5 | 1.1 | 2.2 | 1.9 | .6 | .9 | | | | | | 58 | 58 | | | | | | | | | | | | | | | | |
| 7 | | | | | | .4 | 1.6 | 2.9 | 1.7 | 1.4 | .9 | .4 | .1 | | | | | 69 | 69 | | | | | | | | | | | | | | | | |
| 8 | | | | | .6 | 1.8 | 2.5 | 1.3 | 1.4 | .6 | .4 | .1 | | | | | | 72 | 72 | | | | | | | | | | | | | | | | |
| 9 | | | | .3 | 2.0 | 1.3 | 1.5 | 1.5 | 1.0 | .5 | .1 | | | | | | | 66 | 66 | | | | | | | | | | | | | | | | |
| 10 | | | .5 | 1.5 | .6 | 1.6 | 2.1 | 1.4 | .6 | .4 | .3 | | | | | | | 75 | 73 | | | | | | | | | | | | | | | | |
| 11 | | | .1 | 1.0 | 1.3 | .4 | .6 | .9 | .5 | .3 | .1 | | | | | | | 47 | 47 | | 4 | | | | | | | | | | | | | | |
| 12 | | | .5 | .6 | .4 | 1.1 | .5 | .5 | .1 | .8 | | | | | | | | 41 | 41 | 26 | | | | | | | | | | | | | | | |
| 13 | | | .4 | .4 | .6 | .9 | .5 | .6 | .7 | 1.1 | .3 | | | | | | | 44 | 44 | 75 | 1 | | | | | | | | | | | | | | |
| 14 | | .3 | .4 | .1 | .3 | .4 | .3 | .3 | .5 | .9 | .7 | | | | | | | 28 | 28 | 145 | 12 | | | | | | | | | | | | | | |
| 15 | | .3 | .4 | .6 | .9 | .4 | .3 | .4 | .5 | .9 | .1 | | | | | | | 37 | 37 | 170 | 37 | | | | | | | | | | | | | | |
| 16 | .1 | .5 | 1.5 | .3 | .4 | .4 | .5 | .9 | .5 | | | | | | | | | 41 | 41 | 52 | 74 | | | | | | | | | | | | | | |
| 17 | | .3 | .1 | .3 | .4 | .3 | .4 | .5 | .3 | | | | | | | | | 21 | 21 | 75 | 92 | | | | | | | | | | | | | | |
| 18 | | .5 | .3 | .4 | .3 | .4 | .3 | .3 | .5 | | | | | | | | | 25 | 25 | 65 | 81 | | | | | | | | | | | | | | |
| 19 | | .5 | .3 | | .7 | .3 | .6 | .3 | .1 | | | | | | | | | 17 | 17 | 37 | 55 | | | | | | | | | | | | | | |
| 20 | | .1 | .1 | .1 | .1 | .4 | | .1 | | | | | | | | | | 5 | 9 | 33 | 77 | | | | | | | | | | | | | | |
| 21 | | | .5 | .4 | | | | | | | | | | | | | | 7 | 7 | 35 | 68 | | | | | | | | | | | | | | |
| 22 | | .1 | .6 | | | | | | | | | | | | | | | 7 | 7 | 31 | 45 | | | | | | | | | | | | | | |
| 23 | | .5 | .4 | | .3 | | | | | | | | | | | | | 9 | 9 | 27 | 37 | | | | | | | | | | | | | | |
| 24 | | | .4 | | | | | | | | | | | | | | | 3 | 3 | 25 | 34 | | | | | | | | | | | | | | |
| 25 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 25 | 27 | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | 5 | 27 | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | 23 | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | 19 | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | 14 | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | |
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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1275-1400
HOURS 11.5.1.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

ROOM 3

USAFETAC

A WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

| STATION | STATION NAME |
|---------|--------------------|
| 1713 | WILL ROGERS IAP OK |

73-21

YF 489

5 1/2 MONTHS

PAGE 150-100
HOLAS 57

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL
HOURS . . .

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE : 030-150
HOURS : 1.5

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

YEARS

15-1700
HOURS

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PSYCHROMETRIC SUMMARY

STATION WILL POWER, IAD OF STATION NAME

75-01

YEARS

2000

DATE: 10-5-55
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PSYCHROMETRIC SUMMARY

YEARS

PAGE 1
100-200

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PSYCHROMETRIC SUMMARY

YEARS

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PAGE 1 71 D-27
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USAFETAC
FORM
NW 44
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2. 27. 1942

YFARS

| STATION | STATION NAME |
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112

1941

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PSYCHROMETRIC SUMMARY

YFARS

USAFETAC FORM 0265 (OLA) 87-100 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 84

PSYCHROMETRIC SUMMARY

Y'ABS

21, 1954

| Temp | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | | TOTAL | | | |
|-------------|-------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|------|----------|----------|-----------|--|--|
| F | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Element (X) | ΣX^2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel Hum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

STATION NAME

150

YEARS

100

2206 100-100000

[illegible]

YE AR:

529

[illegible][illegible]

PSYCHROMETRIC SUMMARY

VEARS

— 4 —

[illegible]

PSYCHROMETRIC SUMMARY

73-21

VEARS

11

04.07.2019 10:00:00

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|-------------|-------------------------------------|-----|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-----------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 70 | 0.0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 70.0 | 70.0 | 70.0 | 70.0 |
| 71 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 71.0 | 71.0 | 71.0 | 71.0 | |
| 72 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 72.0 | 72.0 | 72.0 | 72.0 | | |
| 73 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 73.0 | 73.0 | 73.0 | 73.0 | | | |
| 74 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 74.0 | 74.0 | 74.0 | 74.0 | | | | |
| 75 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 75.0 | 75.0 | 75.0 | 75.0 | | | | | |
| 76 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 76.0 | 76.0 | 76.0 | 76.0 | | | | | | |
| 77 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 77.0 | 77.0 | 77.0 | 77.0 | | | | | | | |
| 78 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 78.0 | 78.0 | 78.0 | 78.0 | | | | | | | | |
| 79 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 79.0 | 79.0 | 79.0 | 79.0 | | | | | | | | | |
| 80 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 80.0 | 80.0 | 80.0 | 80.0 | | | | | | | | | | |
| 81 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 81.0 | 81.0 | 81.0 | 81.0 | | | | | | | | | | | |
| 82 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 82.0 | 82.0 | 82.0 | 82.0 | | | | | | | | | | | | |
| 83 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 83.0 | 83.0 | 83.0 | 83.0 | | | | | | | | | | | | | |
| 84 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 84.0 | 84.0 | 84.0 | 84.0 | | | | | | | | | | | | | | |
| 85 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 85.0 | 85.0 | 85.0 | 85.0 | | | | | | | | | | | | | | | |
| 86 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 86.0 | 86.0 | 86.0 | 86.0 | | | | | | | | | | | | | | | | |
| 87 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 87.0 | 87.0 | 87.0 | 87.0 | | | | | | | | | | | | | | | | | |
| 88 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 88.0 | 88.0 | 88.0 | 88.0 | | | | | | | | | | | | | | | | | | |
| 89 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 89.0 | 89.0 | 89.0 | 89.0 | | | | | | | | | | | | | | | | | | | |
| 90 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 90.0 | 90.0 | 90.0 | 90.0 | | | | | | | | | | | | | | | | | | | | |
| 91 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 91.0 | 91.0 | 91.0 | 91.0 | | | | | | | | | | | | | | | | | | | | | |
| 92 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 92.0 | 92.0 | 92.0 | 92.0 | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 93.0 | 93.0 | 93.0 | 93.0 | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 94.0 | 94.0 | 94.0 | 94.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 95.0 | 95.0 | 95.0 | 95.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 96.0 | 96.0 | 96.0 | 96.0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 97.0 | 97.0 | 97.0 | 97.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | 2.8 | 2.9 | 3.0 | 3.1 | 98.0 | 98.0 | 98.0 | 98.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | 2.9 | 3.0 | 3.1 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 3.0 | 3.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | Σ X' | Σ X | \bar{X} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-------------|---------|-------|------------|-------|----------|------------------------------------|--------|--------|--------|--------|-------|
| Rel. Hum. | 929414 | 82754 | 79.113.008 | 793 | ± 0 F | ± 32 F | ± 67 F | ± 73 F | ± 80 F | ± 93 F | 95 |
| Dry Bulb | 151357 | 33071 | 42.313.772 | 793 | | 15.7 | 1.6 | | | | 95 |
| Wet Bulb | 1334736 | 3186 | 39.717.541 | 793 | | 22.5 | | | | | 95 |
| Dew Point | 1147928 | 28596 | 36.112.133 | 793 | | 36.5 | | | | | 95 |

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

HQJR

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONITOR

PAGE 2 7922-11-2

[illegible]

USAFETAC
 AIRCRAFT SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION WILL ROGERS IAP OK STATION NAME

73-51

YEARS

NOV
 1973

PAGE 1 1275-14
 HOURS 1 1

| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|------------------------------------|-------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. - W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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the 1990s, the number of people in the world who are under 15 years of age is expected to increase by 1.5 billion, from 1.1 billion in 1990 to 2.6 billion in 2010. The number of people aged 65 and over is expected to increase by 1.1 billion, from 0.4 billion in 1990 to 1.5 billion in 2010. The number of people aged 15-64 is expected to increase by 1.1 billion, from 2.6 billion in 1990 to 3.7 billion in 2010. The number of people aged 65 and over is expected to increase by 1.1 billion, from 0.4 billion in 1990 to 1.5 billion in 2010. The number of people aged 15-64 is expected to increase by 1.1 billion, from 2.6 billion in 1990 to 3.7 billion in 2010.

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PSYCHROMETRIC SUMMARY

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1. *Pharmaceutical industry*—United States—History.
 2. *Pharmaceutical industry*—United States—Economic aspects.
 3. *Pharmaceutical industry*—United States—Government relations.
 4. *Pharmaceutical industry*—United States—Social aspects.
 5. *Pharmaceutical industry*—United States—Finance.
 6. *Pharmaceutical industry*—United States—Marketing.
 7. *Pharmaceutical industry*—United States—Research and development.
 8. *Pharmaceutical industry*—United States—Regulation.
 9. *Pharmaceutical industry*—United States—Labor relations.
 10. *Pharmaceutical industry*—United States—Ethics.
 11. *Pharmaceutical industry*—United States—Innovation.
 12. *Pharmaceutical industry*—United States—Globalization.
 13. *Pharmaceutical industry*—United States—Patents.
 14. *Pharmaceutical industry*—United States—Quality control.
 15. *Pharmaceutical industry*—United States—Public health.
 16. *Pharmaceutical industry*—United States—Consumer protection.
 17. *Pharmaceutical industry*—United States—Environmental impact.
 18. *Pharmaceutical industry*—United States—Biotechnology.
 19. *Pharmaceutical industry*—United States—Telemedicine.
 20. *Pharmaceutical industry*—United States—Artificial intelligence.
 21. *Pharmaceutical industry*—United States—Nanotechnology.
 22. *Pharmaceutical industry*—United States—Space exploration.
 23. *Pharmaceutical industry*—United States—Autonomous vehicles.
 24. *Pharmaceutical industry*—United States—Cybersecurity.
 25. *Pharmaceutical industry*—United States—Blockchain technology.
 26. *Pharmaceutical industry*—United States—Quantum computing.
 27. *Pharmaceutical industry*—United States—Virtual reality.
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 30. *Pharmaceutical industry*—United States—Cloud computing.
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 32. *Pharmaceutical industry*—United States—Machine learning.
 33. *Pharmaceutical industry*—United States—Deep learning.
 34. *Pharmaceutical industry*—United States—Neural networks.
 35. *Pharmaceutical industry*—United States—Computer vision.
 36. *Pharmaceutical industry*—United States—Natural language processing.
 37. *Pharmaceutical industry*—United States—Robotics.
 38. *Pharmaceutical industry*—United States—3D printing.
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 40. *Pharmaceutical industry*—United States—Regenerative medicine.
 41. *Pharmaceutical industry*—United States—Stem cell research.
 42. *Pharmaceutical industry*—United States—Gene editing.
 43. *Pharmaceutical industry*—United States—CRISPR technology.
 44. *Pharmaceutical industry*—United States—Synthetic biology.
 45. *Pharmaceutical industry*—United States—Bioinformatics.
 46. *Pharmaceutical industry*—United States—Systems biology.
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 48. *Pharmaceutical industry*—United States—Precision medicine.
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 50. *Pharmaceutical industry*—United States—Healthcare reform.
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 53. *Pharmaceutical industry*—United States—Medicaid.
 54. *Pharmaceutical industry*—United States—Health insurance.
 55. *Pharmaceutical industry*—United States—Healthcare costs.
 56. *Pharmaceutical industry*—United States—Drug pricing.
 57. *Pharmaceutical industry*—United States—Generic drugs.
 58. *Pharmaceutical industry*—United States—Patent reform.
 59. *Pharmaceutical industry*—United States—Drug importation.
 60. *Pharmaceutical industry*—United States—Off-in-force patents.
 61. *Pharmaceutical industry*—United States—Sunshine act.
 62. *Pharmaceutical industry*—United States—Pharmaceutical industry reform.
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 73. *Pharmaceutical industry*—United States—Pharmaceutical industry image.
 74. *Pharmaceutical industry*—United States—Pharmaceutical industry branding.
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 87. *Pharmaceutical industry*—United States—Pharmaceutical industry results.
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 90. *Pharmaceutical industry*—United States—Pharmaceutical industry value.
 91. *Pharmaceutical industry*—United States—Pharmaceutical industry benefit.
 92. *Pharmaceutical industry*—United States—Pharmaceutical industry advantage.
 93. *Pharmaceutical industry*—United States—Pharmaceutical industry strength.
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 98. *Pharmaceutical industry*—United States—Pharmaceutical industry knowledge.
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 104. *Pharmaceutical industry*—United States—Pharmaceutical industry jobs.
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 119. *Pharmaceutical industry*—United States—Pharmaceutical industry values.
 120. *Pharmaceutical industry*—United States—Pharmaceutical industry beliefs.
 121. *Pharmaceutical industry*—United States—Pharmaceutical industry attitudes.
 122. *Pharmaceutical industry*—United States—Pharmaceutical industry behaviors.
 123. *Pharmaceutical industry*—United States—Pharmaceutical industry actions.
 124. *Pharmaceutical industry*—United States—Pharmaceutical industry decisions.
 125. *Pharmaceutical industry*—United States—Pharmaceutical industry choices.
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 132. *Pharmaceutical industry*—United States—Pharmaceutical industry objectives.
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 135. *Pharmaceutical industry*—United States—Pharmaceutical industry visions.
 136. *Pharmaceutical industry*—United States—Pharmaceutical industry dreams.
 137. *Pharmaceutical industry*—United States—Pharmaceutical industry aspirations.
 138. *Pharmaceutical industry*—United States—Pharmaceutical industry hopes.
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 150. *Pharmaceutical industry*—United States—Pharmaceutical industry hopes.
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YEARS

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1. *Pharmaceutical industry*—United States—History.
 2. *Pharmaceutical industry*—United States—Economic aspects.
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 4. *Pharmaceutical industry*—United States—Social aspects.
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 7. *Pharmaceutical industry*—United States—Marketing.
 8. *Pharmaceutical industry*—United States—Research and development.
 9. *Pharmaceutical industry*—United States—Regulation.
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 11. *Pharmaceutical industry*—United States—Public opinion.
 12. *Pharmaceutical industry*—United States—Ethics.
 13. *Pharmaceutical industry*—United States—Innovation.
 14. *Pharmaceutical industry*—United States—Globalization.
 15. *Pharmaceutical industry*—United States—Competition.
 16. *Pharmaceutical industry*—United States—Patents.
 17. *Pharmaceutical industry*—United States—Quality control.
 18. *Pharmaceutical industry*—United States—Safety.
 19. *Pharmaceutical industry*—United States—Accessibility.
 20. *Pharmaceutical industry*—United States—Sustainability.
 21. *Pharmaceutical industry*—United States—Transparency.
 22. *Pharmaceutical industry*—United States—Accountability.
 23. *Pharmaceutical industry*—United States—Collaboration.
 24. *Pharmaceutical industry*—United States—Investment.
 25. *Pharmaceutical industry*—United States—Risk management.
 26. *Pharmaceutical industry*—United States—Data management.
 27. *Pharmaceutical industry*—United States—Artificial intelligence.
 28. *Pharmaceutical industry*—United States—Blockchain technology.
 29. *Pharmaceutical industry*—United States—Nanotechnology.
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 31. *Pharmaceutical industry*—United States—Precision medicine.
 32. *Pharmaceutical industry*—United States—Personalized medicine.
 33. *Pharmaceutical industry*—United States—Digital health.
 34. *Pharmaceutical industry*—United States—Telemedicine.
 35. *Pharmaceutical industry*—United States—Remote patient monitoring.
 36. *Pharmaceutical industry*—United States—Wearable devices.
 37. *Pharmaceutical industry*—United States—Mobile health applications.
 38. *Pharmaceutical industry*—United States—Health data analytics.
 39. *Pharmaceutical industry*—United States—Clinical trials.
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 42. *Pharmaceutical industry*—United States—Sales and marketing.
 43. *Pharmaceutical industry*—United States—Manufacturing.
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 45. *Pharmaceutical industry*—United States—Logistics.
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 47. *Pharmaceutical industry*—United States—Retail pharmacy.
 48. *Pharmaceutical industry*—United States—Hospital pharmacy.
 49. *Pharmaceutical industry*—United States—Long-term care pharmacy.
 50. *Pharmaceutical industry*—United States—Compounding pharmacy.
 51. *Pharmaceutical industry*—United States—Specialty pharmacy.
 52. *Pharmaceutical industry*—United States—Generic drugs.
 53. *Pharmaceutical industry*—United States—Branded drugs.
 54. *Pharmaceutical industry*—United States—Off-invented drugs.
 55. *Pharmaceutical industry*—United States—Orphan drugs.
 56. *Pharmaceutical industry*—United States—Biologics.
 57. *Pharmaceutical industry*—United States—Small molecule drugs.
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 59. *Pharmaceutical industry*—United States—Chemical synthesis.
 60. *Pharmaceutical industry*—United States—Drug discovery.
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 63. *Pharmaceutical industry*—United States—Gene therapy.
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 66. *Pharmaceutical industry*—United States—Regenerative medicine.
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 72. *Pharmaceutical industry*—United States—Formulation development.
 73. *Pharmaceutical industry*—United States—Quality assurance.
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 75. *Pharmaceutical industry*—United States—Good clinical practices (GCP).
 76. *Pharmaceutical industry*—United States—Good laboratory practices (GLP).
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 78. *Pharmaceutical industry*—United States—Good data management practices (GDMP).
 79. *Pharmaceutical industry*—United States—Good document management practices (GDMP).
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 85. *Pharmaceutical industry*—United States—Good operations management practices (GOMP).
 86. *Pharmaceutical industry*—United States—Good project management practices (GPP).
 87. *Pharmaceutical industry*—United States—Good risk management practices (GRMP).
 88. *Pharmaceutical industry*—United States—Good security management practices (GSP).
 89. *Pharmaceutical industry*—United States—Good training management practices (GTP).
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 109. *Pharmaceutical industry*—United States—Good mobile health applications management practices (GMHP).
 110. *Pharmaceutical industry*—United States—Good health data analytics management practices (GHDA).
 111. *Pharmaceutical industry*—United States—Good clinical trials management practices (GCTMP).
 112. *Pharmaceutical industry*—United States—Good regulatory affairs management practices (GRA).
 113. *Pharmaceutical industry*—United States—Good medical affairs management practices (GMA).
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 134. *Pharmaceutical industry*—United States—Good immunotherapy management practices (GIP).
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 140. *Pharmaceutical industry*—United States—Good CRISPR technology management practices (GCRP).
 141. *Pharmaceutical industry*—United States—Good synthetic biology management practices (GSBP).
 142. *Pharmaceutical industry*—United States—Good nanomedicine management practices (GNMP).
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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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FORM 0265 (OLA)

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U.S. AIR FORCE
CLIMATE BRANCH
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AFATAC SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: KILL HOBBS IEP OK
STATION NAME:

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YEARS

ALL
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| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X ² | Σ X | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | Σ | | |
| Rel Hum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

1. THE UNITED STATES OF AMERICA

250

[illegible]

USAFETAC
FORMS
JAN 64
0 26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATE OF NEW YORK
COUNTY OF ALBANY

73-51

YEARS

2000

2 A 5

HC, 85

| Temp.
°F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL
D.B. W.B. Dry Bulb Wet Bulb | | Total
Wet Bulb Dew Point | | |
|-------------|-------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------------------------|--|-----------------------------|--|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

10

2 2 6

| Temp
°F | WET BULB TEMPERATURE DEPRESSION (°F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|------------|--------------------------------------|---|---|----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | </ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

4. 2. 2.

H. J. ...

[illegible]

USAFETAC
MURKIN
JUL 04
0.205 (OLA)
RE-VEG PERMANENT EROSIONS CAP THIS A-
ARE DISCUSSITE

GLOBAL CLIMATOLOGY BRANCH
 METAC
 WEATHER BASE WIL/MAC

MEANS AND STANDARD DEVIATIONS

RY-10LS TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

2000 WILLIAMS IAP OF

75-81

| | | STATION NAME | | | | | | | | | | | | YEARS | |
|---|-----------|--------------|------|------|------|------|------|------|------|------|------|------|------|-------|--|
| | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | | |
| 1 | MEAN | 31.5 | 45.8 | 55.0 | 61.7 | 73.5 | 75.0 | 73.9 | 67.0 | 58.4 | 45.0 | 31.5 | 17.4 | | |
| | STDEV | 11.4 | 11.5 | 10.2 | 9.3 | 7.3 | 6.5 | 4.6 | 4.9 | 7.4 | 9.4 | 10.2 | 17.0 | | |
| | TOTAL OBS | 752 | 823 | 777 | 813 | 787 | 819 | 823 | 793 | 818 | 798 | 819 | 857 | | |
| 2 | MEAN | 34.0 | 48.7 | 57.6 | 65.0 | 73.0 | 71.7 | 65.0 | 54.3 | 43.4 | 34.3 | 22.0 | 17.0 | | |
| | STDEV | 11.1 | 11.4 | 10.4 | 9.5 | 7.5 | 6.5 | 4.5 | 4.5 | 7.8 | 9.4 | 10.4 | 17.0 | | |
| | TOTAL OBS | 742 | 817 | 780 | 810 | 794 | 810 | 810 | 785 | 810 | 797 | 810 | 857 | | |
| 3 | MEAN | 32.7 | 48.1 | 57.0 | 61.4 | 73.0 | 74.9 | 72.0 | 65.4 | 54.0 | 42.3 | 28.0 | 17.0 | | |
| | STDEV | 11.1 | 11.2 | 10.3 | 9.2 | 7.2 | 6.0 | 4.8 | 4.5 | 7.7 | 9.1 | 10.2 | 16.2 | | |
| | TOTAL OBS | 748 | 809 | 813 | 820 | 790 | 830 | 822 | 793 | 825 | 793 | 825 | 878 | | |
| 4 | MEAN | 32.4 | 48.2 | 57.0 | 62.0 | 74.0 | 75.4 | 72.0 | 65.0 | 54.0 | 42.0 | 28.0 | 17.0 | | |
| | STDEV | 11.1 | 11.1 | 10.3 | 9.2 | 7.3 | 6.4 | 5.3 | 4.5 | 7.7 | 9.1 | 10.2 | 16.2 | | |
| | TOTAL OBS | 749 | 823 | 792 | 811 | 790 | 822 | 823 | 797 | 829 | 791 | 819 | 857 | | |
| 5 | MEAN | 45.0 | 57.8 | 67.0 | 74.0 | 83.0 | 91.0 | 89.0 | 81.0 | 71.0 | 56.0 | 47.0 | 37.0 | | |
| | STDEV | 12.7 | 15.6 | 12.3 | 9.4 | 7.7 | 6.7 | 5.5 | 6.3 | 9.4 | 10.2 | 12.0 | 19.0 | | |
| | TOTAL OBS | 820 | 748 | 810 | 792 | 824 | 791 | 829 | 819 | 797 | 823 | 792 | 857 | | |
| 6 | MEAN | 45.4 | 58.0 | 67.0 | 75.0 | 85.0 | 92.0 | 90.0 | 82.0 | 72.0 | 57.0 | 47.0 | 37.0 | | |
| | STDEV | 12.2 | 15.7 | 12.3 | 9.6 | 7.9 | 6.8 | 5.6 | 6.4 | 9.5 | 10.3 | 12.0 | 19.0 | | |
| | TOTAL OBS | 751 | 821 | 799 | 810 | 795 | 821 | 817 | 792 | 820 | 793 | 824 | 857 | | |
| 7 | MEAN | 48.4 | 61.4 | 70.0 | 78.0 | 87.0 | 95.0 | 93.0 | 85.0 | 75.0 | 60.0 | 48.0 | 38.0 | | |
| | STDEV | 11.9 | 13.6 | 11.3 | 9.1 | 7.6 | 6.4 | 5.1 | 6.0 | 9.1 | 10.2 | 11.0 | 19.0 | | |
| | TOTAL OBS | 756 | 828 | 797 | 827 | 811 | 820 | 822 | 810 | 820 | 795 | 822 | 878 | | |
| 8 | MEAN | 32.0 | 48.0 | 58.0 | 64.0 | 73.0 | 79.0 | 77.0 | 69.0 | 58.0 | 48.0 | 37.0 | 27.0 | | |
| | STDEV | 11.0 | 12.3 | 10.2 | 8.6 | 7.3 | 6.2 | 5.4 | 5.5 | 8.1 | 9.4 | 10.2 | 17.0 | | |
| | TOTAL OBS | 747 | 824 | 791 | 821 | 787 | 822 | 815 | 793 | 813 | 792 | 814 | 857 | | |
| 9 | MEAN | 32.4 | 48.0 | 58.0 | 67.0 | 76.0 | 82.0 | 80.0 | 72.0 | 61.0 | 48.0 | 39.0 | 29.0 | | |
| | STDEV | 11.0 | 12.3 | 10.2 | 8.6 | 7.3 | 6.2 | 5.4 | 5.5 | 8.1 | 9.4 | 10.2 | 17.0 | | |
| | TOTAL OBS | 747 | 824 | 791 | 821 | 787 | 822 | 815 | 793 | 813 | 792 | 814 | 857 | | |

SAF ETA FORM 0.895 (OL A)

U.S. CLIMATOLOGY BRANCH
 5-140
 AIRCRAFT SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

ALTITUDE TEMPERATURES 125 F FROM HOURLY OBSERVATIONS

| WILL ROGERS IAP OK | | 73-61 | | | | | | | | | | | |
|--------------------|--|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | | STATION NAME | | | | | | | | | | | |
| | | YEAR | | | | | | | | | | | |
| | | APR | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| MEAN | | 1.4 | 12.2 | 41.5 | 61.2 | 68.5 | 68.7 | 67.5 | 62.2 | 51.2 | 41.4 | 22.4 | 11.1 |
| STDEV | | 1.335 | 7.961 | 9.434 | 9.142 | 7.354 | 4.451 | 3.588 | 3.572 | 7.192 | 9.245 | 10.159 | 9.545 |
| STDEV | | 1.16 | 7.49 | 8.23 | 7.1 | 6.13 | 7.5 | 6.16 | 6.25 | 7.95 | 8.1 | 7.97 | 8.19 |
| MEAN | | 1.4 | 11.2 | 40.1 | 60.5 | 68.7 | 67.0 | 67.7 | 65.5 | 51.1 | 41.4 | 21.1 | 11.1 |
| STDEV | | 1.335 | 7.962 | 9.431 | 9.141 | 7.354 | 4.451 | 3.588 | 3.572 | 7.192 | 9.245 | 10.159 | 9.545 |
| STDEV | | 1.16 | 7.42 | 8.17 | 7.7 | 6.1 | 7.5 | 6.13 | 6.15 | 7.95 | 8.17 | 7.95 | 8.19 |
| MEAN | | 1.4 | 10.3 | 39.7 | 59.2 | 68.5 | 67.0 | 68.7 | 67.5 | 51.5 | 41.4 | 21.1 | 11.1 |
| STDEV | | 1.335 | 7.962 | 9.431 | 9.141 | 7.354 | 4.451 | 3.588 | 3.572 | 7.192 | 9.245 | 10.159 | 9.545 |
| STDEV | | 1.16 | 7.57 | 8.1 | 7.1 | 6.25 | 7.5 | 6.13 | 6.22 | 7.9 | 8.15 | 7.95 | 8.19 |
| MEAN | | 1.4 | 10.7 | 44.3 | 64.5 | 61.5 | 67.5 | 72.9 | 71.7 | 65.7 | 55.2 | 44.1 | 21.1 |
| STDEV | | 1.335 | 7.962 | 9.431 | 9.141 | 7.354 | 4.451 | 3.588 | 3.572 | 7.192 | 9.245 | 10.159 | 9.545 |
| STDEV | | 1.16 | 7.45 | 8.2 | 7.1 | 6.1 | 7.5 | 6.1 | 6.23 | 7.95 | 8.1 | 7.95 | 8.19 |
| MEAN | | 1.4 | 10.5 | 42.5 | 62.5 | 64.5 | 71.5 | 74.1 | 73.5 | 67.5 | 55.1 | 47.4 | 21.1 |
| STDEV | | 1.335 | 7.962 | 9.431 | 9.141 | 7.354 | 4.451 | 3.588 | 3.572 | 7.192 | 9.245 | 10.159 | 9.545 |
| STDEV | | 1.16 | 7.45 | 8.25 | 7.1 | 6.24 | 7.5 | 6.1 | 6.23 | 7.95 | 8.1 | 7.95 | 8.19 |
| MEAN | | 1.4 | 10.2 | 40.3 | 60.5 | 64.5 | 71.5 | 74.1 | 72.9 | 67.5 | 55.1 | 47.7 | 21.1 |
| STDEV | | 1.335 | 7.962 | 9.431 | 9.141 | 7.354 | 4.451 | 3.588 | 3.572 | 7.192 | 9.245 | 10.159 | 9.545 |
| STDEV | | 1.16 | 7.45 | 8.25 | 7.1 | 6.15 | 7.5 | 6.11 | 6.15 | 7.95 | 8.1 | 7.95 | 8.19 |
| MEAN | | 1.4 | 10.1 | 40.5 | 60.5 | 62.5 | 67.5 | 72.1 | 71.1 | 65.1 | 54.5 | 44.5 | 21.1 |
| STDEV | | 1.335 | 7.962 | 9.431 | 9.141 | 7.354 | 4.451 | 3.588 | 3.572 | 7.192 | 9.245 | 10.159 | 9.545 |
| STDEV | | 1.16 | 7.55 | 8.1 | 7.5 | 6.27 | 6.1 | 6.25 | 6.21 | 7.95 | 8.1 | 7.95 | 8.19 |
| MEAN | | 1.4 | 10.2 | 40.2 | 60.5 | 64.5 | 71.5 | 74.1 | 72.9 | 67.5 | 55.1 | 47.7 | 21.1 |
| STDEV | | 1.335 | 7.962 | 9.431 | 9.141 | 7.354 | 4.451 | 3.588 | 3.572 | 7.192 | 9.245 | 10.159 | 9.545 |
| STDEV | | 1.16 | 7.47 | 8.24 | 7.1 | 6.2 | 7.5 | 6.22 | 6.17 | 7.95 | 8.1 | 7.95 | 8.19 |
| MEAN | | 1.4 | 10.7 | 40.5 | 60.5 | 64.5 | 71.5 | 74.1 | 72.9 | 67.5 | 55.1 | 47.7 | 21.1 |
| STDEV | | 1.335 | 7.962 | 9.431 | 9.141 | 7.354 | 4.451 | 3.588 | 3.572 | 7.192 | 9.245 | 10.159 | 9.545 |
| STDEV | | 1.16 | 7.47 | 8.24 | 7.1 | 6.2 | 7.5 | 6.22 | 6.17 | 7.95 | 8.1 | 7.95 | 8.19 |

SAFETY FORM 0.895 (OLA)

1. LOCAL CLIM TOLOGY BRANCH
 2. 11-40
 3. WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1. VILL. NUMBER 14-04

25-31

STATION NAME

YEAR

| | AN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YR |
|---------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|-------|
| MEAN | 71.1 | 75.6 | 75.9 | 48.5 | 55.1 | 53.1 | 55.9 | 53.9 | 53.5 | 44.3 | 38.8 | 37.4 | 48.0 |
| STDEV | 11.55 | 10.55 | 11.18 | 11.92 | 8.48 | 8.41 | 4.33 | 4.99 | 8.55 | 11.44 | 11.55 | 11.31 | 17.41 |
| STATION | 515 | 749 | 623 | 7-7 | 513 | 784 | 815 | 523 | 793 | 818 | 747 | 819 | 547 |
| MEAN | 71.4 | 75.1 | 75.2 | 44.7 | 54.3 | 52.3 | 54.7 | 53.7 | 53.0 | 45.8 | 39.4 | 38.2 | 48.0 |
| STDEV | 11.57 | 10.53 | 11.4 | 11.1 | 8.21 | 8.69 | 5.61 | 4.25 | 4.55 | 8.26 | 11.93 | 11.32 | 17.41 |
| STATION | 515 | 742 | 617 | 774 | 509 | 755 | 51 | 815 | 755 | 817 | 785 | 815 | 551 |
| MEAN | 71.1 | 75.8 | 75.2 | 48.5 | 55.3 | 53.5 | 55.8 | 54.8 | 54.1 | 45.1 | 39.1 | 38.4 | 48.0 |
| STDEV | 11.55 | 10.53 | 11.48 | 11.95 | 8.71 | 8.70 | 3.94 | 4.42 | 8.34 | 11.3 | 12.13 | 12.13 | 16.41 |
| STATION | 525 | 757 | 629 | 51 | 525 | 795 | 529 | 524 | 791 | 825 | 783 | 815 | 577 |
| MEAN | 71.5 | 75.7 | 75.3 | 48.5 | 55.6 | 54.8 | 57.1 | 56.0 | 55.5 | 47.5 | 37.5 | 37.1 | 48.0 |
| STDEV | 11.51 | 10.91 | 11.57 | 11.43 | 9.17 | 8.27 | 4.11 | 4.94 | 8.4 | 11.31 | 12.46 | 12.13 | 16.55 |
| STATION | 51 | 748 | 622 | 711 | 515 | 755 | 525 | 523 | 795 | 817 | 793 | 815 | 575 |
| MEAN | 71.1 | 75.1 | 75.3 | 48.5 | 57.1 | 55.2 | 56.1 | 55.7 | 55.1 | 45.1 | 37.3 | 37.1 | 48.7 |
| STDEV | 11.51 | 10.53 | 11.74 | 12.13 | 9.67 | 8.75 | 4.83 | 5.55 | 8.71 | 11.35 | 12.34 | 12.13 | 16.57 |
| STATION | 519 | 745 | 625 | 745 | 524 | 751 | 529 | 519 | 797 | 823 | 792 | 815 | 581 |
| MEAN | 71.1 | 75.2 | 75.1 | 48.5 | 55.4 | 54.5 | 55.1 | 54.3 | 54.1 | 45.1 | 38.5 | 37.1 | 48.0 |
| STDEV | 11.57 | 10.57 | 11.93 | 12.13 | 8.11 | 8.54 | 5.09 | 5.45 | 8.51 | 11.95 | 12.88 | 12.13 | 16.57 |
| STATION | 511 | 751 | 61 | 719 | 515 | 744 | 521 | 515 | 795 | 81 | 795 | 815 | 584 |
| MEAN | 71.1 | 75.3 | 75.1 | 48.5 | 55.4 | 54.2 | 54.7 | 53.9 | 54.5 | 45.1 | 38.5 | 37.1 | 48.0 |
| STDEV | 11.53 | 10.7 | 11.1 | 11.5 | 9.19 | 8.13 | 4.99 | 5.12 | 8.2 | 11.82 | 12.13 | 12.13 | 16.57 |
| STATION | 519 | 758 | 617 | 715 | 527 | 551 | 525 | 511 | 795 | 817 | 795 | 815 | 588 |
| MEAN | 71.4 | 75.8 | 75.2 | 48.5 | 55.9 | 54.1 | 55.1 | 54.1 | 53.9 | 45.2 | 38.7 | 38.3 | 48.0 |
| STDEV | 11.54 | 10.55 | 11.13 | 11.27 | 8.49 | 8.41 | 4.57 | 4.87 | 8.15 | 11.41 | 12.16 | 11.74 | 17.41 |
| STATION | 522 | 747 | 624 | 715 | 523 | 755 | 522 | 517 | 795 | 815 | 79 | 817 | 59 |
| MEAN | 71.1 | 75.3 | 75.1 | 48.5 | 55.9 | 54.1 | 55.5 | 54.5 | 54.3 | 45.4 | 38.7 | 37.1 | 48.0 |
| STDEV | 11.52 | 10.53 | 11.58 | 11.44 | 9.17 | 8.77 | 4.51 | 4.75 | 8.54 | 11.33 | 12.7 | 11.92 | 16.55 |
| STATION | 522 | 747 | 624 | 623 | 544 | 633 | 575 | 557 | 554 | 557 | 524 | 557 | 77.83 |

1. SAFETY FORM 0-89.5 (OL)

RELATIVE HUMIDITY

 $\text{Mg}^{2+} \text{N}^{\circ} \text{H}$

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

RELATIVE HUMIDITY

MIN*

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

STATION

STATION NAME

PERIOD

MONTH

HOURS
11 51

PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN

Figure 1

10.

20%

30°

40¹²

50°

602

702

80

TOTALS

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

RELATIVE HUMIDITY

STATION NAME

PERIOD

NO. 1

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

STATION

STATION NAME

PERIOD

 Mg^{2+}

MONTH

HOURS
(L S T)

PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN

MEAN
RELATIVE
HUMIDITY

TOTAL
NO OF
OBS

TOTALS

| STATION | STATION NAME | PERIOD | WATER YEAR |
|---------|--------------|--------|------------|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | 32 |
| 33 | 34 | 35 | 36 |
| 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 |
| 45 | 46 | 47 | 48 |
| 49 | 50 | 51 | 52 |
| 53 | 54 | 55 | 56 |
| 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 |
| 65 | 66 | 67 | 68 |
| 69 | 70 | 71 | 72 |
| 73 | 74 | 75 | 76 |
| 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 |
| 85 | 86 | 87 | 88 |
| 89 | 90 | 91 | 92 |
| 93 | 94 | 95 | 96 |
| 97 | 98 | 99 | 100 |

[illegible]

STATION

STATION NAME

PERIOD

MONTH

MONTH

HOURS
L S T :

PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN

MEAN
RELATIVE
HUMIDITY

TOTAL
NO OF
OBS

TOTALS

MONTH

[illegible]

| STATION | STATION NAME | PERIOD | MONTH |
|---------|--------------|--------|-------|
|---------|--------------|--------|-------|

[illegible]

STATION

STATION NAME

PERIOD

MON'N

[illegible]

STATION

STATION NAME

PERIOD

2.2.2

MONTH

HOURS
LST

PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN

MEAN
RELATIVE
HUMIDITY

TOTAL
NO OF
OBS

TOTALS

STATION

STATION NAME

PERIOD

402

MONTH

HOURS
: : S T :

PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN

MEAN
RELATIVE
HUMIDITY

TOTAL
NO. OF
OBS

TOTALS

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

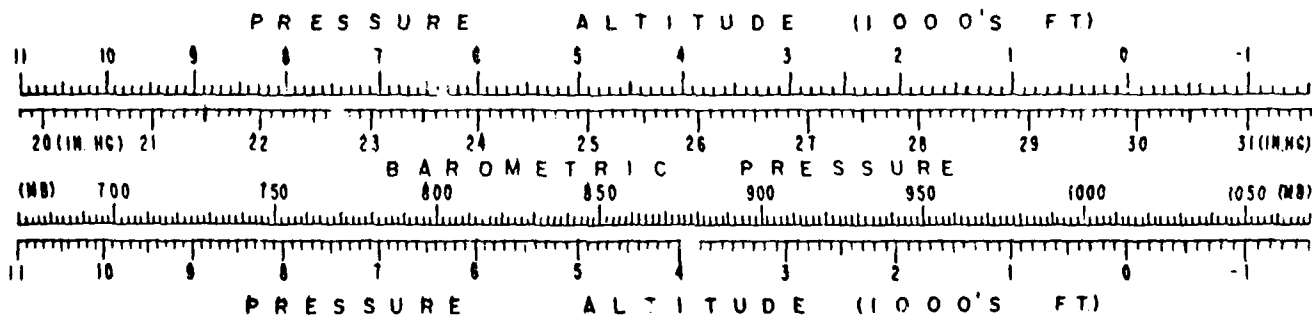
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



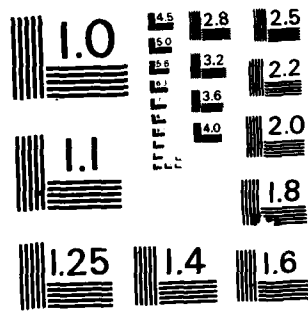
AD-A128 108

WILL ROGERS IAP OKLAHOMA REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 27 OCT 82
UNCLASSIFIED USAFETAC/DS-82/057 SBI-AD-E850 357 F/G 4/2

616

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

2030 WILL ROGERS IAP OK

73-81

| STATION | STATION NAME | YEARS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN A |
|-----------|--------------------|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2030 | WILL ROGERS IAP OK | 73-81 | | | | | | | | | | | | | |
| 1 | | | MEAN | 20.74 | 20.70 | 20.57 | 20.58 | 20.53 | 20.57 | 20.62 | 20.63 | 20.64 | 20.66 | 20.71 | 20.64 |
| | | | S D | .233 | .226 | .225 | .184 | .154 | .134 | .075 | .085 | .144 | .173 | .203 | .191 |
| | | | TOTAL OBS | 275 | 253 | 279 | 269 | 278 | 275 | 277 | 279 | 269 | 275 | 259 | 275 |
| 1 | | | MEAN | 20.74 | 20.69 | 20.56 | 20.58 | 20.53 | 20.57 | 20.62 | 20.63 | 20.64 | 20.66 | 20.71 | 20.64 |
| | | | S D | .233 | .232 | .219 | .184 | .159 | .137 | .076 | .086 | .139 | .176 | .201 | .191 |
| | | | TOTAL OBS | 275 | 244 | 271 | 257 | 270 | 261 | 266 | 270 | 259 | 271 | 261 | 272 |
| 1 | | | MEAN | 20.73 | 20.69 | 20.57 | 20.59 | 20.54 | 20.59 | 20.64 | 20.65 | 20.66 | 20.68 | 20.73 | 20.64 |
| | | | S D | .233 | .232 | .227 | .186 | .162 | .136 | .075 | .088 | .141 | .178 | .206 | .193 |
| | | | TOTAL OBS | 275 | 254 | 279 | 269 | 276 | 275 | 279 | 279 | 275 | 278 | 266 | 275 |
| 1 | | | MEAN | 20.79 | 20.74 | 20.61 | 20.62 | 20.58 | 20.62 | 20.66 | 20.67 | 20.69 | 20.72 | 20.74 | 20.68 |
| | | | S D | .241 | .226 | .23 | .186 | .163 | .136 | .077 | .091 | .141 | .178 | .210 | .194 |
| | | | TOTAL OBS | 200 | 249 | 271 | 265 | 274 | 265 | 274 | 274 | 267 | 264 | 264 | 274 |
| 1 | | | MEAN | 20.77 | 20.73 | 20.59 | 20.61 | 20.56 | 20.61 | 20.65 | 20.66 | 20.67 | 20.68 | 20.72 | 20.66 |
| | | | S D | .241 | .231 | .232 | .188 | .163 | .136 | .075 | .088 | .141 | .181 | .212 | .196 |
| | | | TOTAL OBS | 270 | 252 | 279 | 266 | 276 | 269 | 277 | 276 | 265 | 279 | 267 | 279 |
| 1 | | | MEAN | 20.71 | 20.67 | 20.54 | 20.58 | 20.53 | 20.57 | 20.61 | 20.62 | 20.65 | 20.68 | 20.76 | 20.62 |
| | | | S D | .230 | .226 | .225 | .185 | .158 | .133 | .074 | .086 | .138 | .177 | .206 | .184 |
| | | | TOTAL OBS | 274 | 248 | 268 | 264 | 272 | 264 | 274 | 274 | 264 | 276 | 257 | 271 |
| 1 | | | MEAN | 20.72 | 20.67 | 20.53 | 20.54 | 20.49 | 20.53 | 20.57 | 20.59 | 20.61 | 20.64 | 20.67 | 20.66 |
| | | | S D | .233 | .221 | .223 | .181 | .156 | .135 | .075 | .089 | .139 | .174 | .200 | .191 |
| | | | TOTAL OBS | 276 | 253 | 279 | 265 | 277 | 269 | 279 | 275 | 270 | 278 | 266 | 278 |
| 1 | | | MEAN | 20.74 | 20.70 | 20.56 | 20.58 | 20.53 | 20.56 | 20.61 | 20.62 | 20.64 | 20.68 | 20.74 | 20.64 |
| | | | S D | .230 | .219 | .220 | .178 | .152 | .129 | .074 | .086 | .137 | .171 | .198 | .188 |
| | | | TOTAL OBS | 274 | 251 | 276 | 266 | 272 | 263 | 273 | 274 | 266 | 275 | 265 | 273 |
| ALL HOURS | | | MEAN | 20.74 | 20.70 | 20.57 | 20.58 | 20.54 | 20.58 | 20.62 | 20.63 | 20.64 | 20.66 | 20.71 | 20.64 |
| | | | S D | .233 | .226 | .226 | .185 | .160 | .137 | .080 | .091 | .142 | .178 | .205 | .193 |
| | | | TOTAL OBS | 2120 | 2004 | 2201 | 2121 | 2199 | 2131 | 2197 | 2272 | 2133 | 2204 | 2115 | 2213 |

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

213 WILL ROGERS IAP OK

73-81

| STATION NAME | | YEARS | | | | | | | | | | | | ANN. A. |
|--------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|
| HRS. LST. | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 0 | MEAN | 21.41 | 19.61 | 14.21 | 14.21 | 12.21 | 13.11 | 14.61 | 15.01 | 15.71 | 17.51 | 18.91 | 19.7 | 1916.3 |
| | S D | 5.756 | 5.539 | 8.580 | 6.678 | 5.808 | 4.845 | 2.778 | 3.109 | 5.082 | 6.415 | 7.533 | 8.510 | 7.215 |
| | TOTAL OBS | 276 | 253 | 279 | 269 | 278 | 270 | 277 | 279 | 270 | 276 | 269 | 270 | 2273 |
| | MEAN | 19.11 | 19.11 | 13.81 | 13.81 | 11.71 | 12.81 | 14.31 | 14.71 | 15.51 | 17.21 | 18.51 | 19.1 | 1916.3 |
| | S D | 5.681 | 5.738 | 8.163 | 6.768 | 5.824 | 5.006 | 2.813 | 3.123 | 5.169 | 6.598 | 7.546 | 8.561 | 7.311 |
| | TOTAL OBS | 273 | 245 | 273 | 258 | 270 | 260 | 269 | 271 | 260 | 272 | 262 | 275 | 2188 |
| | MEAN | 1021.21 | 1019.31 | 1014.31 | 1014.51 | 1012.51 | 1013.71 | 1015.11 | 1015.41 | 1016.11 | 1017.91 | 1019.01 | 1019.2 | 1016.5 |
| | S D | 5.914 | 5.673 | 8.280 | 6.736 | 5.879 | 4.929 | 2.764 | 3.233 | 5.177 | 6.563 | 7.695 | 8.705 | 7.273 |
| | TOTAL OBS | 279 | 254 | 279 | 269 | 278 | 270 | 279 | 279 | 270 | 276 | 266 | 279 | 2279 |
| | MEAN | 22.81 | 20.61 | 15.41 | 15.61 | 13.41 | 14.61 | 15.91 | 16.21 | 17.21 | 19.11 | 20.21 | 20.5 | 1917.6 |
| | S D | 7.032 | 6.672 | 8.517 | 6.829 | 6.008 | 5.007 | 2.632 | 3.274 | 5.252 | 6.609 | 7.778 | 8.295 | 7.407 |
| | TOTAL OBS | 260 | 251 | 275 | 264 | 274 | 268 | 272 | 275 | 263 | 270 | 263 | 270 | 2214 |
| 1 | MEAN | 22.31 | 20.51 | 15.01 | 15.01 | 13.01 | 14.11 | 15.41 | 15.81 | 16.71 | 18.41 | 19.61 | 20.0 | 1917.1 |
| | S D | 8.987 | 8.613 | 8.522 | 6.812 | 5.881 | 4.922 | 2.819 | 3.250 | 5.189 | 6.677 | 7.825 | 8.314 | 7.390 |
| | TOTAL OBS | 276 | 252 | 279 | 266 | 278 | 269 | 278 | 276 | 268 | 279 | 267 | 279 | 2267 |
| | MEAN | 1020.11 | 1015.31 | 1013.01 | 1013.31 | 1011.61 | 1012.71 | 1013.91 | 1014.01 | 1014.71 | 1016.41 | 1017.51 | 1018.1 | 1015.3 |
| | S D | 5.876 | 5.500 | 8.304 | 6.758 | 5.804 | 4.891 | 2.771 | 3.170 | 5.157 | 6.591 | 7.696 | 8.656 | 7.191 |
| | TOTAL OBS | 274 | 250 | 271 | 267 | 274 | 263 | 274 | 274 | 265 | 277 | 260 | 273 | 2220 |
| | MEAN | 120.81 | 118.41 | 112.81 | 112.91 | 110.71 | 111.61 | 112.91 | 113.01 | 114.51 | 116.51 | 118.11 | 119.0 | 1015.1 |
| | S D | 6.701 | 6.334 | 8.261 | 6.531 | 5.556 | 4.855 | 2.771 | 3.240 | 5.131 | 6.401 | 7.385 | 8.222 | 7.264 |
| | TOTAL OBS | 276 | 253 | 279 | 266 | 277 | 269 | 279 | 276 | 270 | 276 | 267 | 276 | 2266 |
| | MEAN | 1021.41 | 1019.51 | 1014.01 | 1014.11 | 1011.71 | 1012.41 | 1013.81 | 1014.31 | 1015.61 | 1017.41 | 1018.91 | 1019.9 | 1016.1 |
| | S D | 6.846 | 6.239 | 8.158 | 6.531 | 5.583 | 4.682 | 2.752 | 3.238 | 5.136 | 6.368 | 7.404 | 8.156 | 7.225 |
| | TOTAL OBS | 275 | 252 | 276 | 263 | 273 | 261 | 274 | 276 | 263 | 275 | 265 | 272 | 2235 |
| ALL HOURS | MEAN | 1021.31 | 1019.41 | 1014.11 | 1014.21 | 1012.11 | 1013.11 | 1014.51 | 1014.81 | 1015.81 | 1017.51 | 1018.91 | 1019.4 | 1016.2 |
| | S D | 6.893 | 6.562 | 8.315 | 6.753 | 5.839 | 4.967 | 2.925 | 3.345 | 5.224 | 6.574 | 7.634 | 8.647 | 7.327 |
| | TOTAL OBS | 2197 | 2010 | 2211 | 2122 | 2202 | 2130 | 2202 | 2206 | 2129 | 2207 | 2119 | 2208 | 25945 |

DATE
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8